

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001373.D
 Acq On : 24 Jan 2020 11:54
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:01:51 PM

Quant Time: Jan 25 04:10:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	194692	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	331933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	289481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	135991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	100749	47.56	ug/l	0.00
Spiked Amount						
			Recovery	=	95.12%	
35) Dibromofluoromethane	7.74	113	95621	49.08	ug/l	-0.01
Spiked Amount						
			Recovery	=	98.16%	
50) Toluene-d8	10.19	98	396052	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.49	95	141911	47.08	ug/l	0.00
Spiked Amount						
			Recovery	=	94.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	32684	21.288	ug/l	99
3) Chloromethane	2.12	50	44871	19.337	ug/l	96
4) Vinyl Chloride	2.26	62	47959	19.821	ug/l	93
5) Bromomethane	2.66	94	31662	19.430	ug/l	100
6) Chloroethane	2.80	64	29781	19.262	ug/l	99
7) Trichlorofluoromethane	3.14	101	62153	20.077	ug/l	96
8) Diethyl Ether	3.54	74	22307	17.069	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40077	20.328	ug/l	98
10) Methyl Iodide	4.11	142	45403	17.461	ug/l	98
11) Tert butyl alcohol	4.98	59	21721	67.390	ug/l	96
12) 1,1-Dichloroethene	3.89	96	40399	19.543	ug/l	92
13) Acrolein	3.75	56	16451	96.782	ug/l	97
14) Allyl chloride	4.50	41	68137	18.484	ug/l	98
15) Acrylonitrile	5.19	53	53658	80.212	ug/l	99
16) Acetone	3.97	43	46635	78.359	ug/l	96
17) Carbon Disulfide	4.21	76	127129	19.555	ug/l	99
18) Methyl Acetate	4.50	43	27625	15.463	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	102873	16.997	ug/l	98
20) Methylene Chloride	4.74	84	50103	16.295	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	44980	18.733	ug/l	97
22) Diisopropyl ether	6.14	45	137752	17.598	ug/l	96
23) Vinyl Acetate	6.08	43	433359	85.274	ug/l	99
24) 1,1-Dichloroethane	6.05	63	77128	18.693	ug/l	98
25) 2-Butanone	7.01	43	71740	77.801	ug/l	99
26) 2,2-Dichloropropane	7.00	77	67387	18.335	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	50212	18.711	ug/l	99
28) Bromochloromethane	7.36	49	30161	17.725	ug/l	97
29) Tetrahydrofuran	7.37	42	45112	75.199	ug/l	100
30) Chloroform	7.53	83	72084	17.824	ug/l	100
31) Cyclohexane	7.80	56	81354	19.859	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	64737	18.958	ug/l	100
36) 1,1-Dichloropropene	7.94	75	61785	19.702	ug/l	99
37) Ethyl Acetate	7.10	43	32441	16.932	ug/l	99
38) Carbon Tetrachloride	7.92	117	56727	20.297	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001373.D
 Acq On : 24 Jan 2020 11:54
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:01:51 PM

Quant Time: Jan 25 04:10:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	83775	20.854	ug/l	96
40) Benzene	8.18	78	182631	19.423	ug/l	98
41) Methacrylonitrile	7.34	41	17454m	17.653	ug/l	
42) 1,2-Dichloroethane	8.25	62	48200	18.346	ug/l	99
43) Isopropyl Acetate	8.29	43	62221	16.701	ug/l	99
44) Trichloroethene	8.96	130	46999	19.478	ug/l	97
45) 1,2-Dichloropropane	9.23	63	44530	18.734	ug/l	100
46) Dibromomethane	9.32	93	22281	17.460	ug/l	99
47) Bromodichloromethane	9.51	83	57501	18.849	ug/l	97
48) Methyl methacrylate	9.30	41	28400	16.768	ug/l	100
49) 1,4-Dioxane	9.32	88	5915	328.694	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	155946	81.280	ug/l	99
52) Toluene	10.25	92	114797	19.260	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	61058	18.058	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	71739	18.485	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	33141	17.595	ug/l	97
56) Ethyl methacrylate	10.52	69	48294	16.965	ug/l	97
57) 1,3-Dichloropropane	10.80	76	58446	17.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	94738	96.173	ug/l	100
59) 2-Hexanone	10.85	43	109790	82.198	ug/l	100
60) Dibromochloromethane	11.00	129	37722	17.907	ug/l	99
61) 1,2-Dibromoethane	11.10	107	31672	17.788	ug/l	99
64) Tetrachloroethene	10.73	164	36756	19.878	ug/l	99
65) Chlorobenzene	11.53	112	118251	19.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39699	19.065	ug/l	98
67) Ethyl Benzene	11.60	91	220972	19.651	ug/l	100
68) m/p-Xylenes	11.71	106	167091	39.785	ug/l	99
69) o-Xylene	12.04	106	79507	19.679	ug/l	98
70) Styrene	12.05	104	136316	19.230	ug/l	99
71) Bromoform	12.22	173	21075	16.954	ug/l #	100
73) Isopropylbenzene	12.34	105	213596	19.905	ug/l	100
74) N-amyl acetate	12.15	43	58816	16.744	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	39761	17.301	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	25028m	15.273	ug/l	
77) Bromobenzene	12.62	156	45368	19.088	ug/l	98
78) n-propylbenzene	12.68	91	261597	20.254	ug/l	99
79) 2-Chlorotoluene	12.77	91	144195	19.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	180617	20.164	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14690	16.964	ug/l	99
82) 4-Chlorotoluene	12.86	91	153091	19.424	ug/l	99
83) tert-Butylbenzene	13.08	119	152342	20.177	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	179045	19.910	ug/l	99
85) sec-Butylbenzene	13.26	105	220815	20.584	ug/l	99
86) p-Isopropyltoluene	13.38	119	195263	20.655	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	90592	19.791	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	92466	19.895	ug/l	99
89) n-Butylbenzene	13.70	91	196435	20.647	ug/l	99
90) Hexachloroethane	13.97	117	35780	19.968	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	82366	19.511	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6589	16.615	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
Data File : VY001373.D
Acq On : 24 Jan 2020 11:54
Operator : SY/MD
Sample : VY0124SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0124SBS01

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:01:51 PM

Quant Time: Jan 25 04:10:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	55084	19.442	ug/l	98
94) Hexachlorobutadiene	15.12	225	28282	20.500	ug/l	99
95) Naphthalene	15.24	128	115614	17.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	47646	19.170	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
Data File : VY001373.D
Acq On : 24 Jan 2020 11:54
Operator : SY/MD
Sample : VY0124SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0124SBS01

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:01:51 PM

Quant Time: Jan 25 04:10:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration

