

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002430.D
 Acq On : 21 Apr 2020 14:12
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:44:28 AM

Quant Time: Apr 21 16:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	278271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	430632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	391296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	188244	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	93710	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	7.74	113	107875	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	10.19	98	427471	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
62) 4-Bromofluorobenzene	12.49	95	142650	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	33531	17.637	ug/l	99
3) Chloromethane	2.12	50	44300	19.086	ug/l	100
4) Vinyl Chloride	2.26	62	49573	19.825	ug/l	91
5) Bromomethane	2.65	94	30348	18.715	ug/l	99
6) Chloroethane	2.80	64	26856	18.191	ug/l	99
7) Trichlorofluoromethane	3.14	101	74903	19.246	ug/l	96
8) Diethyl Ether	3.55	74	31705	20.641	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	50617	19.883	ug/l	99
10) Methyl Iodide	4.11	142	64124	18.680	ug/l	98
11) Tert butyl alcohol	4.98	59	24943	103.122	ug/l #	91
12) 1,1-Dichloroethene	3.89	96	51876	19.632	ug/l	93
13) Acrolein	3.75	56	21198	89.177	ug/l	99
14) Allyl chloride	4.50	41	63725	19.609	ug/l	99
15) Acrylonitrile	5.19	53	72121	104.760	ug/l	98
16) Acetone	3.97	43	49715	91.920	ug/l	99
17) Carbon Disulfide	4.22	76	153098	19.016	ug/l	99
18) Methyl Acetate	4.50	43	31199	20.182	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	124624	20.082	ug/l	97
20) Methylene Chloride	4.74	84	64007	21.149	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	56794	19.861	ug/l	99
22) Diisopropyl ether	6.14	45	129788	19.919	ug/l	99
23) Vinyl Acetate	6.08	43	414105	100.901	ug/l	99
24) 1,1-Dichloroethane	6.05	63	81699	19.772	ug/l	98
25) 2-Butanone	7.01	43	75186	97.524	ug/l	99
26) 2,2-Dichloropropane	7.01	77	69152	19.118	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	61827	19.937	ug/l	99
28) Bromochloromethane	7.36	49	31607	20.075	ug/l	96
29) Tetrahydrofuran	7.36	42	50173	101.471	ug/l	99
30) Chloroform	7.53	83	84355	19.782	ug/l	91
31) Cyclohexane	7.80	56	77972	18.617	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	73281	19.458	ug/l	99
36) 1,1-Dichloropropene	7.94	75	66996	19.335	ug/l	99
37) Ethyl Acetate	7.10	43	34096	21.043	ug/l	98
38) Carbon Tetrachloride	7.92	117	66865	19.158	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002430.D
 Acq On : 21 Apr 2020 14:12
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0421SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:44:28 AM

Quant Time: Apr 21 16:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	92199	19.272	ug/l	96
40) Benzene	8.18	78	212875	19.961	ug/l	99
41) Methacrylonitrile	7.33	41	15455m	17.909	ug/l	
42) 1,2-Dichloroethane	8.25	62	49433	19.674	ug/l	99
43) Isopropyl Acetate	8.29	43	60027	19.756	ug/l	98
44) Trichloroethene	8.96	130	71553	20.068	ug/l	100
45) 1,2-Dichloropropane	9.23	63	48110	19.750	ug/l	95
46) Dibromomethane	9.32	93	28513	20.055	ug/l	99
47) Bromodichloromethane	9.51	83	63671	19.740	ug/l	95
48) Methyl methacrylate	9.30	41	26506	19.537	ug/l	97
49) 1,4-Dioxane	9.31	88	8641	412.260	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	165770	105.042	ug/l	99
52) Toluene	10.25	92	133742	19.815	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	67254	19.495	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	81448	19.850	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	43661	20.475	ug/l	98
56) Ethyl methacrylate	10.52	69	55964	20.376	ug/l	98
57) 1,3-Dichloropropane	10.80	76	70426	20.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	139057	102.204	ug/l	99
59) 2-Hexanone	10.84	43	113299	101.156	ug/l	100
60) Dibromochloromethane	10.99	129	52056	20.268	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42233	20.299	ug/l	98
64) Tetrachloroethene	10.72	164	80164	19.203	ug/l	97
65) Chlorobenzene	11.52	112	146952	19.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	51780	19.552	ug/l	99
67) Ethyl Benzene	11.60	91	250769	19.315	ug/l	98
68) m/p-Xylenes	11.71	106	194900	38.846	ug/l	99
69) o-Xylene	12.03	106	92840	19.641	ug/l	100
70) Styrene	12.05	104	159623	19.726	ug/l	100
71) Bromoform	12.22	173	32373	19.976	ug/l #	98
73) Isopropylbenzene	12.33	105	248437	20.109	ug/l	100
74) N-amyl acetate	12.15	43	54282	20.101	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	28677	18.854	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	29804m	17.972	ug/l	
77) Bromobenzene	12.61	156	60337	19.386	ug/l	99
78) n-propylbenzene	12.67	91	273563	18.746	ug/l	100
79) 2-Chlorotoluene	12.76	91	147759	18.545	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	189994	18.651	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	17514	20.582	ug/l	98
82) 4-Chlorotoluene	12.86	91	153236	18.298	ug/l #	100
83) tert-Butylbenzene	13.08	119	170352	19.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	178746	17.516	ug/l	100
85) sec-Butylbenzene	13.26	105	232143	18.449	ug/l	98
86) p-Isopropyltoluene	13.38	119	218650	19.159	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	112802	19.484	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	114926	19.613	ug/l	100
89) n-Butylbenzene	13.70	91	216102	20.310	ug/l	100
90) Hexachloroethane	13.97	117	42258	19.750	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	110268	20.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7239	20.851	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
Data File : VY002430.D
Acq On : 21 Apr 2020 14:12
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:44:28 AM

Quant Time: Apr 21 16:04:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 20 15:14:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	79998	21.073	ug/l	98
94) Hexachlorobutadiene	15.12	225	43725	21.004	ug/l	99
95) Naphthalene	15.25	128	154172	20.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	67044	20.345	ug/l	99

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

