

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001269.D
 Acq On : 17 Jan 2020 16:49
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:06:52 AM

Quant Time: Jan 18 03:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	192676	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	339263	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	298503	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	141947	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	99907	49.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.75	113	94305	47.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.19	98	385729	50.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.49	95	137824	44.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	26826	18.129	ug/l	95
3) Chloromethane	2.13	50	41309	19.367	ug/l	98
4) Vinyl Chloride	2.27	62	43926	20.442	ug/l	99
5) Bromomethane	2.66	94	31741	27.500	ug/l	95
6) Chloroethane	2.81	64	29236	23.551	ug/l	96
7) Trichlorofluoromethane	3.15	101	58473	19.550	ug/l	98
8) Diethyl Ether	3.55	74	24417	21.009	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37938	19.705	ug/l	99
10) Methyl Iodide	4.12	142	47847	18.157	ug/l	99
11) Tert butyl alcohol	5.00	59	25748	125.755	ug/l	97
12) 1,1-Dichloroethene	3.90	96	38824	19.711	ug/l	98
13) Acrolein	3.75	56	19061	103.410	ug/l	98
14) Allyl chloride	4.51	41	67615	20.339	ug/l	99
15) Acrylonitrile	5.21	53	60636	104.320	ug/l	99
16) Acetone	3.98	43	50539	106.936	ug/l	99
17) Carbon Disulfide	4.22	76	116401	18.259	ug/l	99
18) Methyl Acetate	4.51	43	31801	20.352	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	113616	20.853	ug/l	100
20) Methylene Chloride	4.75	84	56624	22.693	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	45094	20.190	ug/l	97
22) Diisopropyl ether	6.16	45	142602	21.002	ug/l	99
23) Vinyl Acetate	6.10	43	458894	105.675	ug/l	97
24) 1,1-Dichloroethane	6.06	63	77584	20.871	ug/l	99
25) 2-Butanone	7.02	43	82981	112.815	ug/l	98
26) 2,2-Dichloropropane	7.02	77	67031	19.610	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	50680	20.709	ug/l	99
28) Bromochloromethane	7.37	49	28133	18.430	ug/l	98
29) Tetrahydrofuran	7.38	42	52801	104.749	ug/l	97
30) Chloroform	7.54	83	77237	21.206	ug/l	98
31) Cyclohexane	7.81	56	74324	18.884	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	65689	20.326	ug/l	98
36) 1,1-Dichloropropene	7.94	75	60950	19.711	ug/l	98
37) Ethyl Acetate	7.11	43	35255	19.427	ug/l	99
38) Carbon Tetrachloride	7.92	117	55494	19.583	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001269.D
 Acq On : 17 Jan 2020 16:49
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:06:52 AM

Quant Time: Jan 18 03:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78177	18.648	ug/l	98
40) Benzene	8.19	78	183305	20.308	ug/l	99
41) Methacrylonitrile	7.35	41	17702m	20.766	ug/l	
42) 1,2-Dichloroethane	8.27	62	51611	20.420	ug/l	98
43) Isopropyl Acetate	8.30	43	69530	20.037	ug/l	98
44) Trichloroethene	8.96	130	47752	20.303	ug/l	97
45) 1,2-Dichloropropane	9.24	63	46891	21.014	ug/l	93
46) Dibromomethane	9.32	93	24792	20.363	ug/l	98
47) Bromodichloromethane	9.52	83	60537	20.402	ug/l	99
48) Methyl methacrylate	9.31	41	31586	19.670	ug/l	97
49) 1,4-Dioxane	9.31	88	6644	448.091	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	178192	101.201	ug/l	98
52) Toluene	10.26	92	115886	20.130	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	65767	19.807	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	76090	20.326	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	36842	20.411	ug/l	97
56) Ethyl methacrylate	10.52	69	53509	19.380	ug/l	98
57) 1,3-Dichloropropane	10.80	76	62969	20.321	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	98569	101.504	ug/l	100
59) 2-Hexanone	10.85	43	126024	102.126	ug/l	100
60) Dibromochloromethane	11.00	129	41021	19.739	ug/l	98
61) 1,2-Dibromoethane	11.10	107	35159	19.949	ug/l	97
64) Tetrachloroethene	10.73	164	37922	19.708	ug/l	97
65) Chlorobenzene	11.53	112	122488	20.536	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	42184	20.520	ug/l	98
67) Ethyl Benzene	11.60	91	225221	20.641	ug/l	98
68) m/p-Xylenes	11.71	106	170002	41.303	ug/l	99
69) o-Xylene	12.04	106	81180	20.571	ug/l	98
70) Styrene	12.05	104	140672	20.316	ug/l	98
71) Bromoform	12.22	173	24601	19.405	ug/l #	99
73) Isopropylbenzene	12.34	105	215086	20.156	ug/l	100
74) N-amyl acetate	12.15	43	66355	19.925	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44578	19.855	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	35241m	23.192	ug/l	
77) Bromobenzene	12.62	156	49193	20.863	ug/l	94
78) n-propylbenzene	12.68	91	260543	20.298	ug/l	100
79) 2-Chlorotoluene	12.77	91	145840	19.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	179865	20.201	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	15664	17.481	ug/l #	97
82) 4-Chlorotoluene	12.86	91	156507	19.887	ug/l	98
83) tert-Butylbenzene	13.08	119	152833	20.428	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	180004	20.358	ug/l	99
85) sec-Butylbenzene	13.26	105	219766	20.419	ug/l	100
86) p-Isopropyltoluene	13.38	119	196430	21.020	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	93768	21.027	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	94200	20.525	ug/l	100
89) n-Butylbenzene	13.70	91	193692	20.579	ug/l	99
90) Hexachloroethane	13.97	117	36446	19.960	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	87824	21.191	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7587	18.734	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001269.D
Acq On : 17 Jan 2020 16:49
Operator : SY/MD
Sample : VY0117SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0117SBSD01

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:06:52 AM

Quant Time: Jan 18 03:41:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	58756	21.518	ug/l	100
94) Hexachlorobutadiene	15.12	225	29331	21.322	ug/l	99
95) Naphthalene	15.25	128	129279	20.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51711	21.488	ug/l	99

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

