

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067339.D
 Acq On : 21 Oct 2020 11:20
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	314710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	436352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157991	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.91	113	164428	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.34	98	587491	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.64	95	208008	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56952	19.914	ug/l	94
3) Chloromethane	2.21	50	41818	21.114	ug/l	98
4) Vinyl Chloride	2.35	62	44610	20.528	ug/l	96
5) Bromomethane	2.76	94	36756	23.038	ug/l	97
6) Chloroethane	2.92	64	29085	21.490	ug/l	93
7) Trichlorofluoromethane	3.27	101	114033	20.839	ug/l	98
8) Diethyl Ether	3.71	74	25088	20.035	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59075	20.319	ug/l	97
10) Methyl Iodide	4.30	142	53971	20.124	ug/l	97
11) Tert butyl alcohol	5.22	59	17980	78.385	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	52608	20.254	ug/l	90
13) Acrolein	3.91	56	11220	76.047	ug/l	99
14) Allyl chloride	4.71	41	59349	19.953	ug/l	99
15) Acrylonitrile	5.42	53	43131	103.229	ug/l	97
16) Acetone	4.15	43	40784	92.362	ug/l	95
17) Carbon Disulfide	4.41	76	147048	19.859	ug/l	95
18) Methyl Acetate	4.70	43	19869	19.728	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	102234	19.795	ug/l	94
20) Methylene Chloride	4.97	84	60042	18.390	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	60300	20.174	ug/l	98
22) Diisopropyl ether	6.37	45	115848	21.321	ug/l	95
23) Vinyl Acetate	6.30	43	314829	101.843	ug/l	100
24) 1,1-Dichloroethane	6.26	63	96930	20.840	ug/l	99
25) 2-Butanone	7.21	43	49292	97.929	ug/l	95
26) 2,2-Dichloropropane	7.21	77	100298	20.921	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	66533	20.310	ug/l	96
28) Bromochloromethane	7.54	49	31470	19.836	ug/l	98
29) Tetrahydrofuran	7.56	42	29242	104.511	ug/l	97
30) Chloroform	7.71	83	117403	21.129	ug/l	86
31) Cyclohexane	7.99	56	72341	19.920	ug/l	85
32) 1,1,1-Trichloroethane	7.90	97	114695	21.038	ug/l	98
36) 1,1-Dichloropropene	8.11	75	81513	20.252	ug/l	99
37) Ethyl Acetate	7.30	43	23248	19.632	ug/l	95
38) Carbon Tetrachloride	8.10	117	109342	21.255	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067339.D
 Acq On : 21 Oct 2020 11:20
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84720	20.134	ug/l	96
40) Benzene	8.35	78	229502	20.784	ug/l	97
41) Methacrylonitrile	7.52	41	10325m	16.135	ug/l	
42) 1,2-Dichloroethane	8.43	62	73710	21.331	ug/l	100
43) Isopropyl Acetate	8.46	43	49012	20.858	ug/l	99
44) Trichloroethene	9.11	130	73697	20.846	ug/l	94
45) 1,2-Dichloropropane	9.39	63	52547	20.534	ug/l	98
46) Dibromomethane	9.48	93	32422	20.335	ug/l	95
47) Bromodichloromethane	9.66	83	88987	20.831	ug/l	93
48) Methyl methacrylate	9.46	41	21206	18.571	ug/l	96
49) 1,4-Dioxane	9.46	88	5848	359.558	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	115594	98.630	ug/l	100
52) Toluene	10.41	92	160671	21.364	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	77387	20.622	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	93205	21.223	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	45618	20.981	ug/l	93
56) Ethyl methacrylate	10.66	69	45232	20.059	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72692	21.009	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	115999	100.279	ug/l	100
59) 2-Hexanone	10.99	43	79961	99.844	ug/l	99
60) Dibromochloromethane	11.14	129	68084	21.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42933	20.030	ug/l	96
64) Tetrachloroethene	10.88	164	67543	21.364	ug/l	89
65) Chlorobenzene	11.67	112	177607	21.226	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	74441	22.384	ug/l	98
67) Ethyl Benzene	11.75	91	302637	21.099	ug/l	98
68) m/p-Xylenes	11.86	106	239921	43.437	ug/l	98
69) o-Xylene	12.18	106	105807	20.687	ug/l	99
70) Styrene	12.20	104	185616	21.081	ug/l	99
71) Bromoform	12.37	173	37081	20.755	ug/l #	97
73) Isopropylbenzene	12.48	105	303509	21.829	ug/l	99
74) N-amyl acetate	12.29	43	43981	20.944	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	45977	21.581	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	34385m	22.645	ug/l	
77) Bromobenzene	12.77	156	74510	21.495	ug/l	99
78) n-propylbenzene	12.83	91	353573	21.948	ug/l	99
79) 2-Chlorotoluene	12.91	91	195825	20.961	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	264809	21.917	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	14248	21.279	ug/l	95
82) 4-Chlorotoluene	13.01	91	219928	22.180	ug/l	98
83) tert-Butylbenzene	13.23	119	221766	21.728	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	268465	22.480	ug/l	98
85) sec-Butylbenzene	13.41	105	302827	21.623	ug/l	100
86) p-Isopropyltoluene	13.52	119	290172	21.952	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	148419	22.245	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	143587	21.721	ug/l	99
89) n-Butylbenzene	13.85	91	249303	21.438	ug/l	100
90) Hexachloroethane	14.11	117	48148	20.873	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	123859	21.250	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7905	20.424	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067339.D
Acq On : 21 Oct 2020 11:20
Operator : VA/SY
Sample : VD1021SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85543	21.768	ug/l	98
94) Hexachlorobutadiene	15.27	225	52906	21.679	ug/l	98
95) Naphthalene	15.41	128	126911	19.670	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74885	22.057	ug/l	97

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

