

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067123.D
 Acq On : 06 Oct 2020 23:34
 Operator : VA/SY
 Sample : VD1006SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:12 PM

Quant Time: Oct 07 02:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	560840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	521532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174088	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.92	113	189096	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.34	98	678377	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.63	95	241140	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73326	23.018	ug/l	93
3) Chloromethane	2.20	50	56647	20.065	ug/l	96
4) Vinyl Chloride	2.34	62	57052	20.154	ug/l	93
5) Bromomethane	2.76	94	45429	22.517	ug/l	86
6) Chloroethane	2.91	64	35696	20.706	ug/l	96
7) Trichlorofluoromethane	3.27	101	127815	20.322	ug/l	97
8) Diethyl Ether	3.71	74	32722	20.981	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	70751	19.903	ug/l	98
10) Methyl Iodide	4.30	142	72214	20.907	ug/l	98
11) Tert butyl alcohol	5.23	59	23620m	86.196	ug/l	
12) 1,1-Dichloroethene	4.07	96	65723	19.667	ug/l	93
13) Acrolein	3.93	56	18980	83.013	ug/l	94
14) Allyl chloride	4.71	41	82051	18.900	ug/l	97
15) Acrylonitrile	5.42	53	56303	98.087	ug/l	99
16) Acetone	4.16	43	50700	97.269	ug/l	99
17) Carbon Disulfide	4.40	76	198359	19.341	ug/l	99
18) Methyl Acetate	4.71	43	27053	20.651	ug/l	90
19) Methyl tert-butyl Ether	5.48	73	131568	21.567	ug/l	97
20) Methylene Chloride	4.97	84	96083	21.886	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	79043	20.784	ug/l	97
22) Diisopropyl ether	6.36	45	160590	20.262	ug/l #	96
23) Vinyl Acetate	6.30	43	425277	94.692	ug/l	98
24) 1,1-Dichloroethane	6.27	63	125934m	20.589	ug/l	
25) 2-Butanone	7.21	43	68841	93.156	ug/l	100
26) 2,2-Dichloropropane	7.21	77	108816	18.180	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	85609	21.077	ug/l	99
28) Bromochloromethane	7.55	49	43015	18.210	ug/l	90
29) Tetrahydrofuran	7.56	42	40464	95.229	ug/l	92
30) Chloroform	7.71	83	145555	21.937	ug/l	97
31) Cyclohexane	7.98	56	92109	17.962	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	130964	21.297	ug/l	97
36) 1,1-Dichloropropene	8.11	75	102890	19.682	ug/l	98
37) Ethyl Acetate	7.30	43	35253	19.466	ug/l	98
38) Carbon Tetrachloride	8.10	117	120129	21.238	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067123.D
 Acq On : 06 Oct 2020 23:34
 Operator : VA/SY
 Sample : VD1006SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1006SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:12 PM

Quant Time: Oct 07 02:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	105148	19.025	ug/l	99
40) Benzene	8.35	78	298511	20.558	ug/l	99
41) Methacrylonitrile	7.52	41	18654	19.066	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	90360	22.271	ug/l	97
43) Isopropyl Acetate	8.45	43	64646	19.377	ug/l	96
44) Trichloroethene	9.11	130	92628	21.363	ug/l	97
45) 1,2-Dichloropropane	9.38	63	70908	20.784	ug/l	97
46) Dibromomethane	9.47	93	42239	21.541	ug/l	93
47) Bromodichloromethane	9.66	83	111128	21.802	ug/l	94
48) Methyl methacrylate	9.46	41	31361	18.348	ug/l #	77
49) 1,4-Dioxane	9.47	88	8335	407.279	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	163949	98.659	ug/l	99
52) Toluene	10.40	92	203560	21.763	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	96604	21.206	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115911	20.837	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59701	21.899	ug/l	95
56) Ethyl methacrylate	10.66	69	58350	20.731	ug/l	97
57) 1,3-Dichloropropane	10.95	76	92246	20.866	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	156491	99.894	ug/l	99
59) 2-Hexanone	10.98	43	109075	98.342	ug/l	98
60) Dibromochloromethane	11.14	129	82161	22.612	ug/l	96
61) 1,2-Dibromoethane	11.24	107	56564	21.597	ug/l	94
64) Tetrachloroethene	10.87	164	80365	21.196	ug/l	94
65) Chlorobenzene	11.67	112	228319	22.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	84603	21.442	ug/l	98
67) Ethyl Benzene	11.74	91	380725	21.422	ug/l	99
68) m/p-Xylenes	11.86	106	301210	43.489	ug/l	99
69) o-Xylene	12.18	106	134730	21.753	ug/l	95
70) Styrene	12.20	104	236652	22.251	ug/l	98
71) Bromoform	12.36	173	46365	22.638	ug/l #	95
73) Isopropylbenzene	12.48	105	364422	20.695	ug/l	100
74) N-amyl acetate	12.29	43	59055	18.655	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	60863	20.514	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	40997m	18.149	ug/l	
77) Bromobenzene	12.76	156	91937	21.622	ug/l	95
78) n-propylbenzene	12.82	91	428489	20.589	ug/l	99
79) 2-Chlorotoluene	12.91	91	249633	20.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	318742	21.424	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16833	18.578	ug/l	96
82) 4-Chlorotoluene	13.01	91	264702	20.894	ug/l	100
83) tert-Butylbenzene	13.23	119	272126	21.720	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	321217	21.634	ug/l	98
85) sec-Butylbenzene	13.40	105	362425	20.541	ug/l	100
86) p-Isopropyltoluene	13.52	119	344428	21.056	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	174551	21.075	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	173145	20.908	ug/l	99
89) n-Butylbenzene	13.85	91	293338	19.622	ug/l	99
90) Hexachloroethane	14.12	117	57581	20.096	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	150607	20.822	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9365	19.581	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
Data File : VD067123.D
Acq On : 06 Oct 2020 23:34
Operator : VA/SY
Sample : VD1006SBSD02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBSD02

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:10:12 PM

Quant Time: Oct 07 02:06:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98703	21.096	ug/l	98
94) Hexachlorobutadiene	15.27	225	58993	20.531	ug/l	97
95) Naphthalene	15.41	128	160975	20.628	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	85956	21.164	ug/l	97

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

