

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067357.D
 Acq On : 22 Oct 2020 12:54
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:12:00 PM

Quant Time: Oct 22 15:07:08 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	305541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160564	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.92	113	160392	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.34	98	579100	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.64	95	203796	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52825	18.811	ug/l	97
3) Chloromethane	2.21	50	38373	19.956	ug/l	95
4) Vinyl Chloride	2.35	62	41378	19.612	ug/l	92
5) Bromomethane	2.76	94	32918	21.061	ug/l	99
6) Chloroethane	2.93	64	26608	20.250	ug/l	96
7) Trichlorofluoromethane	3.27	101	111247	20.939	ug/l	99
8) Diethyl Ether	3.71	74	24087	19.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58927	20.876	ug/l	99
10) Methyl Iodide	4.29	142	48173	18.501	ug/l	98
11) Tert butyl alcohol	5.21	59	17218	76.554	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	51409	20.387	ug/l	88
13) Acrolein	3.93	56	10463	73.900	ug/l	92
14) Allyl chloride	4.72	41	56434	19.542	ug/l	99
15) Acrylonitrile	5.41	53	42911	105.784	ug/l	98
16) Acetone	4.15	43	42874	100.009	ug/l	100
17) Carbon Disulfide	4.41	76	138998	19.335	ug/l	95
18) Methyl Acetate	4.71	43	19795	20.244	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	103048	20.552	ug/l	97
20) Methylene Chloride	4.97	84	63992	20.670	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	60501	20.849	ug/l	93
22) Diisopropyl ether	6.36	45	110854	21.014	ug/l #	97
23) Vinyl Acetate	6.31	43	318006	105.958	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94148	20.849	ug/l	98
25) 2-Butanone	7.22	43	48852	99.968	ug/l	97
26) 2,2-Dichloropropane	7.21	77	93925	20.179	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	66966	21.056	ug/l	99
28) Bromochloromethane	7.54	49	30380	19.724	ug/l	99
29) Tetrahydrofuran	7.57	42	30106	110.828	ug/l	95
30) Chloroform	7.71	83	110474	20.479	ug/l	92
31) Cyclohexane	7.99	56	68722	19.492	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	112308	21.219	ug/l	98
36) 1,1-Dichloropropene	8.11	75	79072	20.125	ug/l	99
37) Ethyl Acetate	7.30	43	25070	21.687	ug/l #	92
38) Carbon Tetrachloride	8.10	117	106537	21.216	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067357.D
 Acq On : 22 Oct 2020 12:54
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1022SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:12:00 PM

Quant Time: Oct 22 15:07:08 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	81558	19.856	ug/l	98
40) Benzene	8.36	78	221532	20.553	ug/l	98
41) Methacrylonitrile	7.53	41	10196	16.322	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	73178	21.694	ug/l	97
43) Isopropyl Acetate	8.46	43	48767	21.261	ug/l	99
44) Trichloroethene	9.11	130	71578	20.741	ug/l	97
45) 1,2-Dichloropropane	9.39	63	50021	20.024	ug/l	98
46) Dibromomethane	9.48	93	31812	20.439	ug/l	97
47) Bromodichloromethane	9.67	83	87173	20.905	ug/l	94
48) Methyl methacrylate	9.46	41	23419	21.009	ug/l	88
49) 1,4-Dioxane	9.47	88	6510	414.429	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	119887	104.790	ug/l	99
52) Toluene	10.41	92	157245	21.419	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	75952	20.734	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	88207	20.575	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	46093	21.717	ug/l #	92
56) Ethyl methacrylate	10.67	69	45970	20.884	ug/l	95
57) 1,3-Dichloropropane	10.95	76	70810	20.964	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	121154	107.293	ug/l	98
59) 2-Hexanone	10.99	43	79787	102.059	ug/l	99
60) Dibromochloromethane	11.14	129	62914	20.326	ug/l	96
61) 1,2-Dibromoethane	11.25	107	43585	20.830	ug/l	98
64) Tetrachloroethene	10.88	164	62279	19.519	ug/l	97
65) Chlorobenzene	11.68	112	172342	20.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	69631	20.747	ug/l	98
67) Ethyl Benzene	11.75	91	292423	20.201	ug/l	97
68) m/p-Xylenes	11.86	106	232526	41.714	ug/l	98
69) o-Xylene	12.18	106	103582	20.067	ug/l	96
70) Styrene	12.20	104	181734	20.452	ug/l	98
71) Bromoform	12.37	173	37387	20.735	ug/l #	99
73) Isopropylbenzene	12.48	105	288292	20.134	ug/l	99
74) N-amyl acetate	12.29	43	44216	20.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	46990	21.418	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	29942m	19.148	ug/l	
77) Bromobenzene	12.77	156	70963	19.879	ug/l	98
78) n-propylbenzene	12.83	91	340686	20.536	ug/l	98
79) 2-Chlorotoluene	12.91	91	191549	19.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	257247	20.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15356	22.270	ug/l	90
82) 4-Chlorotoluene	13.01	91	212380	20.799	ug/l	100
83) tert-Butylbenzene	13.23	119	213949	20.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	254131	20.664	ug/l	99
85) sec-Butylbenzene	13.41	105	289636	20.083	ug/l	100
86) p-Isopropyltoluene	13.52	119	276176	20.288	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	141826	20.641	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	142224	20.892	ug/l	99
89) n-Butylbenzene	13.85	91	238218	19.892	ug/l	99
90) Hexachloroethane	14.11	117	46925	19.754	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	122551	20.417	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7719	19.366	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
Data File : VD067357.D
Acq On : 22 Oct 2020 12:54
Operator : VA/SY
Sample : VD1022SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBSD01

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:12:00 PM

Quant Time: Oct 22 15:07:08 2020
Quant Method : Z:\V0ASRV\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	82085	20.283	ug/l	99
94) Hexachlorobutadiene	15.28	225	51999	20.691	ug/l	97
95) Naphthalene	15.41	128	133347	20.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72142	20.634	ug/l	99

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

