

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067907.D
 Acq On : 08 Dec 2020 11:26
 Operator : VA/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:29:04 AM

Quant Time: Dec 09 04:36:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	109821	49.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.88%
35) Dibromofluoromethane	7.92	113	96489	48.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.98%
50) Toluene-d8	10.34	98	355594	50.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.32%
62) 4-Bromofluorobenzene	12.64	95	129167	52.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	32523	18.063	ug/l	93
3) Chloromethane	2.21	50	20891	20.104	ug/l	95
4) Vinyl Chloride	2.36	62	25722	19.655	ug/l	97
5) Bromomethane	2.76	94	27335	23.398	ug/l	100
6) Chloroethane	2.93	64	17664	20.731	ug/l	99
7) Trichlorofluoromethane	3.27	101	80718	20.156	ug/l	96
8) Diethyl Ether	3.71	74	15516	19.879	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	35983	19.705	ug/l	96
10) Methyl Iodide	4.31	142	35672	18.430	ug/l	97
11) Tert butyl alcohol	5.19	59	13642	80.566	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	33924	19.787	ug/l #	78
13) Acrolein	3.92	56	6496	76.107	ug/l	97
14) Allyl chloride	4.71	41	30584	19.284	ug/l	91
15) Acrylonitrile	5.43	53	25292	93.451	ug/l	98
16) Acetone	4.17	43	22729	82.814	ug/l	98
17) Carbon Disulfide	4.41	76	88889	18.570	ug/l	97
18) Methyl Acetate	4.71	43	9940	18.844	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	74349	20.253	ug/l	99
20) Methylene Chloride	4.97	84	42801	21.754	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	39118	20.051	ug/l	97
22) Diisopropyl ether	6.37	45	64111	20.098	ug/l #	92
23) Vinyl Acetate	6.31	43	177805	100.195	ug/l	97
24) 1,1-Dichloroethane	6.27	63	56469	20.194	ug/l	99
25) 2-Butanone	7.21	43	26902	93.191	ug/l	98
26) 2,2-Dichloropropane	7.22	77	68890	20.660	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42208	19.780	ug/l	94
28) Bromochloromethane	7.56	49	17516	19.730	ug/l #	96
29) Tetrahydrofuran	7.57	42	14589	88.758	ug/l	93
30) Chloroform	7.71	83	75842	20.295	ug/l	97
31) Cyclohexane	7.99	56	42055	17.972	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	81000	20.534	ug/l	99
36) 1,1-Dichloropropene	8.12	75	52269	20.515	ug/l	99
37) Ethyl Acetate	7.30	43	12693	18.485	ug/l #	92
38) Carbon Tetrachloride	8.10	117	80596	20.907	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59560	19.726	ug/l	95
40) Benzene	8.36	78	140337	20.130	ug/l	99
41) Methacrylonitrile	7.52	41	6118	15.690	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	49890	20.079	ug/l	99
43) Isopropyl Acetate	8.46	43	25375	18.781	ug/l #	82
44) Trichloroethene	9.11	130	49205	20.528	ug/l	93
45) 1,2-Dichloropropane	9.39	63	28046	19.601	ug/l	99
46) Dibromomethane	9.48	93	20734	20.841	ug/l	97
47) Bromodichloromethane	9.67	83	56955	20.082	ug/l	94
48) Methyl methacrylate	9.46	41	13686	19.948	ug/l	99
49) 1,4-Dioxane	9.47	88	3948	347.299	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	58927	92.150	ug/l	96
52) Toluene	10.41	92	102514	21.032	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	49896	20.383	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	55077	20.684	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	27049	19.867	ug/l	94
56) Ethyl methacrylate	10.67	69	26284	18.975	ug/l	92
57) 1,3-Dichloropropane	10.95	76	41265	19.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	50693	80.423	ug/l	97
59) 2-Hexanone	10.98	43	41939	93.034	ug/l	99
60) Dibromochloromethane	11.14	129	40915	19.936	ug/l	99
61) 1,2-Dibromoethane	11.25	107	25824	19.288	ug/l	98
64) Tetrachloroethene	10.88	164	45371	20.396	ug/l	91
65) Chlorobenzene	11.67	112	114105	20.278	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	47029	20.491	ug/l	95
67) Ethyl Benzene	11.75	91	197745	20.629	ug/l	93
68) m/p-Xylenes	11.86	106	155649	41.179	ug/l	99
69) o-Xylene	12.18	106	73622	21.940	ug/l	94
70) Styrene	12.20	104	121513	20.825	ug/l	98
71) Bromoform	12.37	173	25071	20.636	ug/l #	99
73) Isopropylbenzene	12.48	105	206118	21.036	ug/l	100
74) N-amyl acetate	12.29	43	22035	18.180	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	24397	18.859	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	22543m	21.726	ug/l	
77) Bromobenzene	12.77	156	49065	20.142	ug/l	97
78) n-propylbenzene	12.83	91	231121	21.282	ug/l	100
79) 2-Chlorotoluene	12.91	91	131507	20.584	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	179386	21.145	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	7475	17.233	ug/l #	86
82) 4-Chlorotoluene	13.01	91	138359	20.301	ug/l	98
83) tert-Butylbenzene	13.23	119	154155	21.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	174668	20.705	ug/l	98
85) sec-Butylbenzene	13.41	105	196377	20.381	ug/l	98
86) p-Isopropyltoluene	13.52	119	197385	20.902	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	96060	20.443	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96849	20.602	ug/l	99
89) n-Butylbenzene	13.85	91	158669	20.224	ug/l	99
90) Hexachloroethane	14.11	117	34196	19.614	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	83338	20.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5246	19.431	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58398	20.485	ug/l	99
94) Hexachlorobutadiene	15.27	225	36678	19.717	ug/l	97
95) Naphthalene	15.41	128	90237	19.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49675	20.178	ug/l	97

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

