

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067892.D
 Acq On : 07 Dec 2020 11:41
 Operator : VA/SY
 Sample : VD1207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:05:43 PM

Quant Time: Dec 08 03:24:18 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	192501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	261469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	108946	52.72	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.44%
35) Dibromofluoromethane	7.92	113	97272	52.44	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.88%
50) Toluene-d8	10.34	98	352047	52.72	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.44%
62) 4-Bromofluorobenzene	12.64	95	126577	54.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.66%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35069	20.933	ug/l	98
3) Chloromethane	2.21	50	20482	21.185	ug/l	95
4) Vinyl Chloride	2.35	62	25097	20.611	ug/l	97
5) Bromomethane	2.76	94	25944	23.867	ug/l	82
6) Chloroethane	2.92	64	18132	22.871	ug/l	95
7) Trichlorofluoromethane	3.27	101	81784	21.949	ug/l	99
8) Diethyl Ether	3.71	74	15185	20.909	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	37124	21.850	ug/l	99
10) Methyl Iodide	4.30	142	34714	19.276	ug/l	99
11) Tert butyl alcohol	5.22	59	13651	92.269	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	33546	21.030	ug/l	97
13) Acrolein	3.92	56	5795	72.970	ug/l	92
14) Allyl chloride	4.72	41	30478	20.654	ug/l	91
15) Acrylonitrile	5.43	53	24788	98.437	ug/l	96
16) Acetone	4.16	43	24185	94.707	ug/l #	87
17) Carbon Disulfide	4.41	76	90030	20.215	ug/l	95
18) Methyl Acetate	4.72	43	10101	20.650	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	72150	21.123	ug/l	93
20) Methylene Chloride	4.97	84	40373	22.116	ug/l	88
21) trans-1,2-Dichloroethene	5.48	96	39592	21.812	ug/l	92
22) Diisopropyl ether	6.36	45	62082	20.917	ug/l #	85
23) Vinyl Acetate	6.31	43	172559	104.509	ug/l	99
24) 1,1-Dichloroethane	6.27	63	55246	21.234	ug/l	95
25) 2-Butanone	7.21	43	26055	97.005	ug/l	98
26) 2,2-Dichloropropane	7.21	77	69563	22.422	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	41283	20.793	ug/l	95
28) Bromochloromethane	7.54	49	15174	18.369	ug/l	98
29) Tetrahydrofuran	7.56	42	14630	95.662	ug/l	98
30) Chloroform	7.71	83	78417	22.554	ug/l	95
31) Cyclohexane	7.98	56	44957	20.648	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	81404	22.179	ug/l	97
36) 1,1-Dichloropropene	8.11	75	52943	22.061	ug/l	99
37) Ethyl Acetate	7.30	43	11791	18.230	ug/l #	81
38) Carbon Tetrachloride	8.10	117	82019	22.589	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	60597	21.308	ug/l	93
40) Benzene	8.35	78	143200	21.807	ug/l	94
41) Methacrylonitrile	7.53	41	7648m	22.432	ug/l	
42) 1,2-Dichloroethane	8.43	62	51271	21.907	ug/l	100
43) Isopropyl Acetate	8.46	43	24908	19.572	ug/l	96
44) Trichloroethene	9.11	130	49397	21.880	ug/l	91
45) 1,2-Dichloropropane	9.38	63	27195	20.178	ug/l	99
46) Dibromomethane	9.48	93	19640	20.959	ug/l	98
47) Bromodichloromethane	9.67	83	56851	21.281	ug/l	96
48) Methyl methacrylate	9.46	41	14333	22.180	ug/l	88
49) 1,4-Dioxane	9.46	88	4112	384.036	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	57938	96.192	ug/l	100
52) Toluene	10.41	92	100574	21.907	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	48468	21.021	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	54529	21.742	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	25660	20.010	ug/l	98
56) Ethyl methacrylate	10.67	69	25027	19.182	ug/l	97
57) 1,3-Dichloropropane	10.95	76	41653	20.505	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	51192	86.224	ug/l	97
59) 2-Hexanone	10.99	43	40059	94.345	ug/l	99
60) Dibromochloromethane	11.14	129	41957	21.705	ug/l	95
61) 1,2-Dibromoethane	11.25	107	25306	20.067	ug/l	99
64) Tetrachloroethene	10.88	164	45127	21.159	ug/l	93
65) Chlorobenzene	11.67	112	111668	20.698	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	46978	21.349	ug/l	97
67) Ethyl Benzene	11.75	91	199192	21.674	ug/l	97
68) m/p-Xylenes	11.86	106	156596	43.212	ug/l	100
69) o-Xylene	12.18	106	74593	23.186	ug/l	95
70) Styrene	12.20	104	123075	22.000	ug/l	100
71) Bromoform	12.37	173	24289	20.853	ug/l #	100
73) Isopropylbenzene	12.48	105	198908	21.481	ug/l	100
74) N-amyl acetate	12.29	43	22408	19.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	24042	19.666	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	23140m	23.599	ug/l	
77) Bromobenzene	12.76	156	50252	21.829	ug/l	99
78) n-propylbenzene	12.83	91	232628	22.666	ug/l	99
79) 2-Chlorotoluene	12.91	91	132141	21.886	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	181282	22.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7959	19.416	ug/l	99
82) 4-Chlorotoluene	13.01	91	141437	21.960	ug/l	98
83) tert-Butylbenzene	13.23	119	156258	22.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	178716	22.417	ug/l	99
85) sec-Butylbenzene	13.40	105	199076	21.863	ug/l	100
86) p-Isopropyltoluene	13.52	119	198795	22.276	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	96197	21.663	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96128	21.638	ug/l	99
89) n-Butylbenzene	13.84	91	162630	21.935	ug/l	99
90) Hexachloroethane	14.11	117	35660	21.643	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	80122	20.803	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4972	19.487	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59903	22.235	ug/l	99
94) Hexachlorobutadiene	15.27	225	39366	22.393	ug/l	97
95) Naphthalene	15.40	128	91855	20.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	51727	22.233	ug/l	97

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

