

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067878.D
 Acq On : 04 Dec 2020 11:36
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 11:30:47 AM

Quant Time: Dec 04 23:59:08 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	7.99	168	213109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	284551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112730	49.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.54%
35) Dibromofluoromethane	7.91	113	101388	48.80	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.60%
50) Toluene-d8	10.34	98	368351	49.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.50%
62) 4-Bromofluorobenzene	12.64	95	132485	51.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37594	20.270	ug/l	92
3) Chloromethane	2.21	50	20963	19.585	ug/l	91
4) Vinyl Chloride	2.36	62	27050	20.067	ug/l	97
5) Bromomethane	2.77	94	31782	26.411	ug/l	96
6) Chloroethane	2.93	64	18558	21.145	ug/l	93
7) Trichlorofluoromethane	3.28	101	87737	21.270	ug/l	98
8) Diethyl Ether	3.71	74	17115	21.288	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	38043	20.225	ug/l	98
10) Methyl Iodide	4.30	142	31827	15.964	ug/l	99
11) Tert butyl alcohol	5.18	59	16229m	104.589	ug/l	
12) 1,1-Dichloroethene	4.08	96	36452	20.642	ug/l #	85
13) Acrolein	3.91	56	6750	76.777	ug/l	86
14) Allyl chloride	4.72	41	34435	21.078	ug/l	98
15) Acrylonitrile	5.41	53	28967	103.909	ug/l	94
16) Acetone	4.15	43	25911	91.654	ug/l	92
17) Carbon Disulfide	4.41	76	97927	19.862	ug/l	98
18) Methyl Acetate	4.71	43	11171	20.628	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	79627	21.058	ug/l	98
20) Methylene Chloride	4.96	84	46812	23.376	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	42564	21.182	ug/l	90
22) Diisopropyl ether	6.36	45	71730	21.831	ug/l	95
23) Vinyl Acetate	6.30	43	188785	103.280	ug/l	96
24) 1,1-Dichloroethane	6.27	63	60993	21.176	ug/l	96
25) 2-Butanone	7.22	43	28479	95.776	ug/l	99
26) 2,2-Dichloropropane	7.21	77	74814	21.782	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47223	21.485	ug/l	95
28) Bromochloromethane	7.55	49	17792	19.456	ug/l	99
29) Tetrahydrofuran	7.57	42	16820	99.347	ug/l	97
30) Chloroform	7.71	83	81598	21.199	ug/l	98
31) Cyclohexane	7.99	56	48556	20.145	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	88222	21.712	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54203	20.165	ug/l	99
37) Ethyl Acetate	7.29	43	12101	16.703	ug/l #	94
38) Carbon Tetrachloride	8.10	117	85306	20.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64829	20.352	ug/l	99
40) Benzene	8.36	78	156627	21.295	ug/l	99
41) Methacrylonitrile	7.52	41	8775	23.098	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	54157	20.660	ug/l	97
43) Isopropyl Acetate	8.45	43	26997	18.939	ug/l	98
44) Trichloroethene	9.11	130	54088	21.389	ug/l	96
45) 1,2-Dichloropropane	9.40	63	31243	20.696	ug/l	99
46) Dibromomethane	9.48	93	22424	21.365	ug/l	98
47) Bromodichloromethane	9.67	83	64007	21.391	ug/l	96
48) Methyl methacrylate	9.46	41	13533	18.697	ug/l	94
49) 1,4-Dioxane	9.47	88	4506	375.715	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	65810	97.547	ug/l	98
52) Toluene	10.41	92	110932	21.572	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	53575	20.744	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61178	21.777	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	29235	20.353	ug/l	96
56) Ethyl methacrylate	10.67	69	28390	19.426	ug/l	98
57) 1,3-Dichloropropane	10.95	76	46202	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	56161	84.452	ug/l	95
59) 2-Hexanone	10.98	43	45078	94.783	ug/l	98
60) Dibromochloromethane	11.14	129	46720	21.577	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29296	20.740	ug/l	95
64) Tetrachloroethene	10.88	164	47687	20.546	ug/l	94
65) Chlorobenzene	11.67	112	127188	21.662	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	50729	21.184	ug/l	97
67) Ethyl Benzene	11.75	91	215303	21.526	ug/l	99
68) m/p-Xylenes	11.86	106	171168	43.401	ug/l	99
69) o-Xylene	12.18	106	76025	21.714	ug/l	97
70) Styrene	12.20	104	135324	22.228	ug/l	99
71) Bromoform	12.37	173	25582	20.181	ug/l #	94
73) Isopropylbenzene	12.48	105	222771	21.449	ug/l	98
74) N-amyl acetate	12.29	43	23494	18.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	25759	18.785	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	20977m	19.073	ug/l	
77) Bromobenzene	12.77	156	54118	20.959	ug/l	98
78) n-propylbenzene	12.83	91	245988	21.369	ug/l	99
79) 2-Chlorotoluene	12.91	91	143866	21.244	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	194625	21.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8548	18.591	ug/l	98
82) 4-Chlorotoluene	13.01	91	153753	21.283	ug/l	99
83) tert-Butylbenzene	13.23	119	164371	21.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	193720	21.664	ug/l	98
85) sec-Butylbenzene	13.40	105	207778	20.344	ug/l	96
86) p-Isopropyltoluene	13.52	119	213519	21.331	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	106279	21.337	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	103487	20.768	ug/l	98
89) n-Butylbenzene	13.84	91	172000	20.683	ug/l	99
90) Hexachloroethane	14.11	117	37165	20.110	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	87945	20.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5465	19.097	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64178	21.238	ug/l	99
94) Hexachlorobutadiene	15.27	225	41436	21.014	ug/l	99
95) Naphthalene	15.40	128	93757	19.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	53801	20.617	ug/l	95

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

