

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066880.D
 Acq On : 25 Sep 2020 18:01
 Operator : VA/SY
 Sample : L4127-04MS
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:23 AM

Quant Time: Sep 26 04:40:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	310643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	521654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	427297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156408	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.91	113	162242	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	10.34	98	518073	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.63	95	147945	38.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	109568	50.660	ug/l	98
3) Chloromethane	2.20	50	136163	47.707	ug/l	97
4) Vinyl Chloride	2.35	62	134776	47.797	ug/l	96
5) Bromomethane	2.77	94	101423	51.174	ug/l	98
6) Chloroethane	2.93	64	87505	49.973	ug/l	100
7) Trichlorofluoromethane	3.27	101	269715	46.575	ug/l	99
8) Diethyl Ether	3.71	74	83236	56.617	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140242	41.764	ug/l	99
10) Methyl Iodide	4.30	142	144893	48.898	ug/l	98
11) Tert butyl alcohol	5.22	59	42707	228.375	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	148755	48.902	ug/l	94
13) Acrolein	3.93	56	56088	250.066	ug/l	94
14) Allyl chloride	4.71	41	229627	51.408	ug/l	99
15) Acrylonitrile	5.43	53	171929	263.890	ug/l	97
16) Acetone	4.16	43	164059	254.362	ug/l	91
17) Carbon Disulfide	4.41	76	418994	45.054	ug/l	97
18) Methyl Acetate	4.71	43	101376	72.043	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	367970	55.703	ug/l	95
20) Methylene Chloride	4.96	84	208081	61.065	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	179747	51.033	ug/l	94
22) Diisopropyl ether	6.36	45	533668	58.108	ug/l	98
23) Vinyl Acetate	6.31	43	1077942	216.543	ug/l	97
24) 1,1-Dichloroethane	6.27	63	326861	53.200	ug/l #	97
25) 2-Butanone	7.21	43	193187	249.243	ug/l	99
26) 2,2-Dichloropropane	7.21	77	262390	46.595	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	210955	55.124	ug/l	96
28) Bromochloromethane	7.54	49	144540	56.945	ug/l	97
29) Tetrahydrofuran	7.57	42	128357	258.449	ug/l	99
30) Chloroform	7.71	83	350227	52.882	ug/l	97
31) Cyclohexane	7.98	56	163378	29.553	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	292564	48.833	ug/l	99
36) 1,1-Dichloropropene	8.11	75	216315	41.798	ug/l	98
37) Ethyl Acetate	7.29	43	91007	48.644	ug/l	98
38) Carbon Tetrachloride	8.10	117	246005	43.479	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	120373	20.258	ug/l	92
40) Benzene	8.35	78	717950	49.777	ug/l	99
41) Methacrylonitrile	7.52	41	49214	42.775	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	216821	50.851	ug/l	99
43) Isopropyl Acetate	8.45	43	174553	48.393	ug/l	98
44) Trichloroethene	9.11	130	182496	44.391	ug/l	96
45) 1,2-Dichloropropane	9.38	63	181954	50.140	ug/l	100
46) Dibromomethane	9.47	93	99111	50.267	ug/l	99
47) Bromodichloromethane	9.66	83	270591	51.088	ug/l	97
48) Methyl methacrylate	9.45	41	94381	53.071	ug/l	96
49) 1,4-Dioxane	9.46	88	23517	1057.753	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	459338	251.324	ug/l	97
52) Toluene	10.40	92	443294	47.715	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	220439	48.899	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	274924	50.014	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	142709	52.651	ug/l	93
56) Ethyl methacrylate	10.66	69	160740	55.357	ug/l	95
57) 1,3-Dichloropropane	10.94	76	227067	50.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	338384	246.119	ug/l	99
59) 2-Hexanone	10.98	43	323534	262.494	ug/l	100
60) Dibromochloromethane	11.14	129	171873	48.585	ug/l	100
61) 1,2-Dibromoethane	11.24	107	124870	49.530	ug/l	100
64) Tetrachloroethene	10.87	164	135272	44.011	ug/l	99
65) Chlorobenzene	11.67	112	422408	47.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	175874	52.245	ug/l	99
67) Ethyl Benzene	11.74	91	695654	44.532	ug/l	98
68) m/p-Xylenes	11.85	106	542300	91.690	ug/l	98
69) o-Xylene	12.18	106	264980	49.547	ug/l	99
70) Styrene	12.19	104	441218	47.506	ug/l	99
71) Bromoform	12.36	173	87445	51.305	ug/l #	98
73) Isopropylbenzene	12.48	105	527007	52.549	ug/l	98
74) N-amyl acetate	12.28	43	172489	88.073	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	125190	72.342	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	77891m	67.703	ug/l	
77) Bromobenzene	12.76	156	150456	64.146	ug/l	99
78) n-propylbenzene	12.82	91	534685	44.316	ug/l	99
79) 2-Chlorotoluene	12.91	91	364906	53.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	460566	54.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39280	85.420	ug/l	96
82) 4-Chlorotoluene	13.00	91	361539	49.884	ug/l	97
83) tert-Butylbenzene	13.23	119	287417	41.103	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	525069	62.225	ug/l	98
85) sec-Butylbenzene	13.40	105	322838	32.106	ug/l	99
86) p-Isopropyltoluene	13.52	119	314992	34.753	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	204935	44.225	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206303	44.825	ug/l	97
89) n-Butylbenzene	13.84	91	237041	27.515	ug/l	93
90) Hexachloroethane	14.11	117	61342	33.336	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	187013	47.172	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19597	70.396	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58262	23.345	ug/l #	82
94) Hexachlorobutadiene	15.27	225	16877	11.285	ug/l	98
95) Naphthalene	15.41	128	243931	57.570	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	47748	22.166	ug/l #	79

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

