

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066126.D
 Acq On : 05 Aug 2020 12:26
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:22 PM

Quant Time: Aug 05 13:46:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	356217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	509998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	465902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	312799	98.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.44%	
35) Dibromofluoromethane	7.91	113	321140	98.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.98%	
50) Toluene-d8	10.34	98	1194999	100.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.74%	
62) 4-Bromofluorobenzene	12.64	95	426948	98.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	280637	84.760	ug/l	98
3) Chloromethane	2.20	50	209233	80.310	ug/l	96
4) Vinyl Chloride	2.34	62	202041	90.608	ug/l	100
5) Bromomethane	2.74	94	129239	84.759	ug/l	97
6) Chloroethane	2.91	64	122021	87.848	ug/l #	88
7) Trichlorofluoromethane	3.26	101	533973	91.929	ug/l	97
8) Diethyl Ether	3.70	74	158922	100.259	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	320353	93.267	ug/l	99
10) Methyl Iodide	4.28	142	321850	152.602	ug/l	99
11) Tert butyl alcohol	5.23	59	108328	285.899	ug/l	98
12) 1,1-Dichloroethene	4.06	96	303238	94.063	ug/l	95
13) Acrolein	3.92	56	120973	469.988	ug/l	99
14) Allyl chloride	4.70	41	470482	97.237	ug/l	99
15) Acrylonitrile	5.42	53	341259	512.016	ug/l	99
16) Acetone	4.16	43	296776	484.653	ug/l	99
17) Carbon Disulfide	4.40	76	969913	94.509	ug/l	99
18) Methyl Acetate	4.71	43	147296	93.786	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	726991	100.661	ug/l	98
20) Methylene Chloride	4.96	84	330631	73.205	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	348432	93.898	ug/l	96
22) Diisopropyl ether	6.36	45	932225	97.491	ug/l	97
23) Vinyl Acetate	6.30	43	2805893	507.046	ug/l	99
24) 1,1-Dichloroethane	6.26	63	568524	95.304	ug/l	100
25) 2-Butanone	7.21	43	427955	472.390	ug/l	99
26) 2,2-Dichloropropane	7.20	77	488850	89.519	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	381056	99.230	ug/l	97
28) Bromochloromethane	7.54	49	199552	95.717	ug/l	98
29) Tetrahydrofuran	7.56	42	276073	501.356	ug/l	98
30) Chloroform	7.71	83	595512	94.852	ug/l	97
31) Cyclohexane	7.98	56	515272	88.587	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	563010	95.836	ug/l	100
36) 1,1-Dichloropropene	8.11	75	464440	94.350	ug/l	99
37) Ethyl Acetate	7.28	43	191187	100.085	ug/l	98
38) Carbon Tetrachloride	8.09	117	522977	95.564	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	580378	99.356	ug/l	98
40) Benzene	8.35	78	1290785	94.493	ug/l	100
41) Methacrylonitrile	7.52	41	113053	103.859	ug/l	96
42) 1,2-Dichloroethane	8.42	62	379726	95.178	ug/l	100
43) Isopropyl Acetate	8.45	43	380612	101.961	ug/l	99
44) Trichloroethene	9.11	130	393261	96.342	ug/l	100
45) 1,2-Dichloropropane	9.38	63	319880	96.730	ug/l	95
46) Dibromomethane	9.47	93	178341	98.084	ug/l	100
47) Bromodichloromethane	9.66	83	468182	97.376	ug/l	98
48) Methyl methacrylate	9.46	41	180508	91.807	ug/l	90
49) 1,4-Dioxane	9.46	88	46216	1981.885	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	950074	488.407	ug/l	98
52) Toluene	10.40	92	852483	95.351	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	452446	100.444	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	533578	101.322	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	249539	94.176	ug/l	97
56) Ethyl methacrylate	10.66	69	326694	107.482	ug/l	99
57) 1,3-Dichloropropane	10.94	76	417700	95.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	711707	514.653	ug/l	100
59) 2-Hexanone	10.98	43	679446	499.487	ug/l	98
60) Dibromochloromethane	11.14	129	348195	95.989	ug/l	99
61) 1,2-Dibromoethane	11.25	107	245322	97.638	ug/l	99
64) Tetrachloroethene	10.87	164	352031	96.401	ug/l	98
65) Chlorobenzene	11.67	112	919606	95.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	359930	94.683	ug/l	99
67) Ethyl Benzene	11.74	91	1634144	98.475	ug/l	100
68) m/p-Xylenes	11.86	106	1260052	195.247	ug/l	98
69) o-Xylene	12.18	106	589426	101.503	ug/l	98
70) Styrene	12.20	104	1013994	99.123	ug/l	100
71) Bromoform	12.36	173	213709	95.552	ug/l #	100
73) Isopropylbenzene	12.48	105	1615247	98.962	ug/l	100
74) N-amyl acetate	12.29	43	365012	103.951	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	262658	92.796	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	192718m	95.986	ug/l	
77) Bromobenzene	12.77	156	407068	96.056	ug/l	100
78) n-propylbenzene	12.83	91	1853924	97.239	ug/l	100
79) 2-Chlorotoluene	12.91	91	1050488	96.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1345271	98.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	91317	99.583	ug/l	98
82) 4-Chlorotoluene	13.01	91	1101020	95.071	ug/l	100
83) tert-Butylbenzene	13.23	119	1197725	100.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1333666	96.994	ug/l	99
85) sec-Butylbenzene	13.41	105	1596176	98.353	ug/l	99
86) p-Isopropyltoluene	13.52	119	1488719	97.533	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	743281	92.183	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	750576	93.695	ug/l	100
89) n-Butylbenzene	13.85	91	1357801	100.300	ug/l	99
90) Hexachloroethane	14.12	117	291355	95.539	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	658659	92.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	46153	95.800	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	515824	101.073	ug/l	100
94) Hexachlorobutadiene	15.28	225	300139	99.037	ug/l	99
95) Naphthalene	15.41	128	890150	110.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	452295	100.080	ug/l	99

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

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