

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066123.D
 Acq On : 05 Aug 2020 11:03
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:14 PM

Quant Time: Aug 05 13:41:43 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	345711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	497798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	474790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	30584	9.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.80%	
35) Dibromofluoromethane	7.91	113	31288	9.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.66%	
50) Toluene-d8	10.34	98	113305	9.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.50%	
62) 4-Bromofluorobenzene	12.63	95	40879	9.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37127	11.554	ug/l	95
3) Chloromethane	2.20	50	28038	11.089	ug/l	99
4) Vinyl Chloride	2.34	62	24122	11.147	ug/l	95
5) Bromomethane	2.76	94	16126	10.897	ug/l	88
6) Chloroethane	2.91	64	15326	11.369	ug/l #	85
7) Trichlorofluoromethane	3.26	101	60841	10.793	ug/l	94
8) Diethyl Ether	3.70	74	15710	10.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	36567	10.970	ug/l	99
10) Methyl Iodide	4.29	142	19289	9.424	ug/l	99
11) Tert butyl alcohol	5.22	59	19756	53.724	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	33436	10.687	ug/l	90
13) Acrolein	3.93	56	13308	53.274	ug/l	100
14) Allyl chloride	4.71	41	48722	10.376	ug/l	96
15) Acrylonitrile	5.43	53	35846	55.417	ug/l	99
16) Acetone	4.17	43	31982	53.816	ug/l	97
17) Carbon Disulfide	4.40	76	107740	10.817	ug/l	98
18) Methyl Acetate	4.71	43	16034	10.519	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	75657	10.794	ug/l	99
20) Methylene Chloride	4.96	84	45021	10.271	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	38718	10.751	ug/l	96
22) Diisopropyl ether	6.36	45	100088	10.785	ug/l	97
23) Vinyl Acetate	6.30	43	289150	53.840	ug/l	97
24) 1,1-Dichloroethane	6.26	63	60959	10.529	ug/l	97
25) 2-Butanone	7.21	43	47035	53.496	ug/l	91
26) 2,2-Dichloropropane	7.20	77	57161	10.785	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	39619	10.631	ug/l	98
28) Bromochloromethane	7.54	49	19955	9.862	ug/l	91
29) Tetrahydrofuran	7.56	42	28046	52.480	ug/l	99
30) Chloroform	7.71	83	65224	10.705	ug/l	93
31) Cyclohexane	7.98	56	61717	10.933	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	60572	10.624	ug/l	98
36) 1,1-Dichloropropene	8.11	75	50514	10.513	ug/l	98
37) Ethyl Acetate	7.29	43	19281	10.341	ug/l	98
38) Carbon Tetrachloride	8.08	117	57764	10.814	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	60520	10.615	ug/l	97
40) Benzene	8.34	78	141946	10.646	ug/l	96
41) Methacrylonitrile	7.51	41	11681	10.994	ug/l	92
42) 1,2-Dichloroethane	8.42	62	41760	10.724	ug/l	99
43) Isopropyl Acetate	8.45	43	39481	10.836	ug/l	100
44) Trichloroethene	9.11	130	41972	10.534	ug/l	93
45) 1,2-Dichloropropane	9.38	63	34559	10.707	ug/l	92
46) Dibromomethane	9.47	93	19738	11.122	ug/l	98
47) Bromodichloromethane	9.66	83	51539	10.982	ug/l	95
48) Methyl methacrylate	9.46	41	19867	10.352	ug/l	98
49) 1,4-Dioxane	9.46	88	5222	229.424	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	103440	54.479	ug/l	97
52) Toluene	10.40	92	92613	10.613	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	48098	10.940	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	53979	10.501	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	28978	11.204	ug/l	97
56) Ethyl methacrylate	10.66	69	32016	10.791	ug/l	98
57) 1,3-Dichloropropane	10.94	76	45372	10.668	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	72306	53.568	ug/l	98
59) 2-Hexanone	10.98	43	72015	54.239	ug/l	94
60) Dibromochloromethane	11.14	129	37638	10.630	ug/l	94
61) 1,2-Dibromoethane	11.24	107	25803	10.521	ug/l	92
64) Tetrachloroethene	10.87	164	39662	10.658	ug/l	95
65) Chlorobenzene	11.67	112	102446	10.396	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	40932	10.566	ug/l	98
67) Ethyl Benzene	11.74	91	176675	10.447	ug/l	97
68) m/p-Xylenes	11.86	106	138515	21.061	ug/l	99
69) o-Xylene	12.18	106	61718	10.429	ug/l	99
70) Styrene	12.20	104	110246	10.575	ug/l	100
71) Bromoform	12.37	173	24803	10.882	ug/l #	100
73) Isopropylbenzene	12.48	105	172053	10.272	ug/l	99
74) N-amyl acetate	12.29	43	38472	10.677	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	30735	10.581	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	21073m	10.228	ug/l	
77) Bromobenzene	12.77	156	44678	10.273	ug/l	97
78) n-propylbenzene	12.83	91	202721	10.361	ug/l	99
79) 2-Chlorotoluene	12.91	91	115218	10.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	144682	10.312	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9672	10.278	ug/l	96
82) 4-Chlorotoluene	13.01	91	124099	10.442	ug/l	98
83) tert-Butylbenzene	13.23	119	125297	10.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	141252	10.011	ug/l	97
85) sec-Butylbenzene	13.41	105	176293	10.585	ug/l	99
86) p-Isopropyltoluene	13.52	119	162476	10.373	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	86185	10.416	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	86119	10.476	ug/l	97
89) n-Butylbenzene	13.85	91	140705	10.128	ug/l	100
90) Hexachloroethane	14.12	117	32930	10.522	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	75008	10.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5150	10.417	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53736	10.260	ug/l	98
94) Hexachlorobutadiene	15.28	225	32779	10.540	ug/l	97
95) Naphthalene	15.41	128	81718	9.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	46083	9.936	ug/l	98

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

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