

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065697.D
 Acq On : 06 May 2020 15:11
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:57 AM

Quant Time: May 06 16:31:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	738670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93012	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
35) Dibromofluoromethane	7.92	113	90372	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
50) Toluene-d8	10.34	98	335150	18.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.02%	
62) 4-Bromofluorobenzene	12.64	95	120693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65900	16.069	ug/l	98
3) Chloromethane	2.21	50	91044	17.596	ug/l	96
4) Vinyl Chloride	2.35	62	92643	19.007	ug/l	97
5) Bromomethane	2.75	94	59851	17.546	ug/l	94
6) Chloroethane	2.91	64	59952	19.761	ug/l	92
7) Trichlorofluoromethane	3.27	101	147764	19.639	ug/l	100
8) Diethyl Ether	3.71	74	48654	28.971	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92466	19.115	ug/l	98
10) Methyl Iodide	4.30	142	81981	17.658	ug/l	98
11) Tert butyl alcohol	5.23	59	49575	196.209	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	90096	19.975	ug/l	97
13) Acrolein	3.92	56	42803	131.781	ug/l	99
14) Allyl chloride	4.71	41	181261	25.697	ug/l	98
15) Acrylonitrile	5.43	53	114467	120.593	ug/l	98
16) Acetone	4.16	43	100406	115.466	ug/l	96
17) Carbon Disulfide	4.41	76	296064	19.795	ug/l	99
18) Methyl Acetate	4.72	43	52687	21.886	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	225124	24.795	ug/l	94
20) Methylene Chloride	4.96	84	107739	20.255	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	105829	20.915	ug/l	96
22) Diisopropyl ether	6.37	45	341495	25.448	ug/l	96
23) Vinyl Acetate	6.31	43	1053207	143.576	ug/l	98
24) 1,1-Dichloroethane	6.27	63	185088	21.411	ug/l	100
25) 2-Butanone	7.21	43	156408	131.820	ug/l	100
26) 2,2-Dichloropropane	7.21	77	168353	21.726	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113084	21.507	ug/l	100
28) Bromochloromethane	7.55	49	78270	22.081	ug/l	99
29) Tetrahydrofuran	7.57	42	103314	138.947	ug/l	99
30) Chloroform	7.71	83	182193	20.440	ug/l	98
31) Cyclohexane	7.98	56	188900	23.185	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	164930	20.407	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146948	19.697	ug/l	97
37) Ethyl Acetate	7.30	43	69284	23.584	ug/l #	94
38) Carbon Tetrachloride	8.10	117	146415	18.335	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183339	21.613	ug/l	97
40) Benzene	8.36	78	405644	19.187	ug/l	99
41) Methacrylonitrile	7.52	41	35896m	22.009	ug/l	
42) 1,2-Dichloroethane	8.43	62	116011	19.387	ug/l	97
43) Isopropyl Acetate	8.46	43	148565	27.179	ug/l	99
44) Trichloroethene	9.11	130	111479	18.437	ug/l	91
45) 1,2-Dichloropropane	9.39	63	106541	20.409	ug/l	98
46) Dibromomethane	9.48	93	52026	18.658	ug/l	96
47) Bromodichloromethane	9.66	83	142118	19.501	ug/l	97
48) Methyl methacrylate	9.46	41	74276	28.753	ug/l	99
49) 1,4-Dioxane	9.46	88	13538	444.275	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362257	130.584	ug/l	100
52) Toluene	10.41	92	259358	19.497	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	142818	21.624	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	170736	21.289	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	74515	19.123	ug/l	99
56) Ethyl methacrylate	10.66	69	103933	25.239	ug/l	98
57) 1,3-Dichloropropane	10.95	76	132493	20.333	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238539	112.434	ug/l	99
59) 2-Hexanone	10.99	43	246013	132.676	ug/l	99
60) Dibromochloromethane	11.14	129	96793	18.783	ug/l	97
61) 1,2-Dibromoethane	11.25	107	73315	19.645	ug/l	99
64) Tetrachloroethene	10.88	164	94682	18.724	ug/l	95
65) Chlorobenzene	11.67	112	270919	19.560	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	101022	19.180	ug/l	99
67) Ethyl Benzene	11.75	91	502638	21.750	ug/l	99
68) m/p-Xylenes	11.86	106	371147	41.273	ug/l	98
69) o-Xylene	12.18	106	175002	22.261	ug/l	99
70) Styrene	12.20	104	300422	21.819	ug/l	99
71) Bromoform	12.37	173	57773	19.387	ug/l #	99
73) Isopropylbenzene	12.48	105	479723	24.027	ug/l	100
74) N-amyl acetate	12.29	43	142146	32.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82259	22.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	54236m	21.452	ug/l	
77) Bromobenzene	12.77	156	111872	20.840	ug/l	99
78) n-propylbenzene	12.83	91	567969	23.590	ug/l	100
79) 2-Chlorotoluene	12.91	91	320345	23.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	393711	23.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31846	28.080	ug/l	99
82) 4-Chlorotoluene	13.01	91	334626	22.584	ug/l	100
83) tert-Butylbenzene	13.23	119	338477	24.207	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	397638	23.921	ug/l	99
85) sec-Butylbenzene	13.41	105	471215	23.504	ug/l	99
86) p-Isopropyltoluene	13.53	119	432117	23.551	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214508	20.733	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	207537	20.097	ug/l	99
89) n-Butylbenzene	13.85	91	415445	24.606	ug/l	100
90) Hexachloroethane	14.12	117	84461	20.990	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	184610	20.941	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14074	23.912	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	138965	23.451	ug/l	99
94) Hexachlorobutadiene	15.28	225	78533	19.622	ug/l	98
95) Naphthalene	15.41	128	239844	26.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	117138	22.935	ug/l	98

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

