

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065663.D
 Acq On : 22 Apr 2020 13:14
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:35 PM

Quant Time: Apr 23 03:56:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:53:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	227994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	307938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	10938	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
35) Dibromofluoromethane	7.92	113	11537	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
50) Toluene-d8	10.34	98	37792	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.64	95	12319	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	8017	4.371	ug/l	98
3) Chloromethane	2.21	50	9991	4.884	ug/l	99
4) Vinyl Chloride	2.35	62	11208	4.845	ug/l	94
5) Bromomethane	2.77	94	7492	5.225	ug/l	95
6) Chloroethane	2.92	64	7068	4.921	ug/l #	84
7) Trichlorofluoromethane	3.27	101	17364	5.136	ug/l	95
8) Diethyl Ether	3.70	74	4839	5.964	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	11375	6.249	ug/l	96
10) Methyl Iodide	4.29	142	9078	4.978	ug/l	95
11) Tert butyl alcohol	5.24	59	3046	28.726	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	10041	6.146	ug/l	88
13) Acrolein	3.91	56	3492	29.710	ug/l	96
14) Allyl chloride	4.70	41	15189	5.469	ug/l	93
15) Acrylonitrile	5.43	53	10518	25.536	ug/l	99
16) Acetone	4.16	43	11447	33.932	ug/l	96
17) Carbon Disulfide	4.40	76	34530	5.971	ug/l	100
18) Methyl Acetate	4.71	43	6036	5.590	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	17192	4.571	ug/l	99
20) Methylene Chloride	4.96	84	18523	8.106	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	10804	5.164	ug/l	95
22) Diisopropyl ether	6.37	45	25612	4.541	ug/l #	95
23) Vinyl Acetate	6.31	43	65996	20.943	ug/l	98
24) 1,1-Dichloroethane	6.26	63	20024	5.528	ug/l	98
25) 2-Butanone	7.21	43	12602	23.731	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	17604	5.295	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	11032	4.829	ug/l	91
28) Bromochloromethane	7.54	49	7686	4.986	ug/l #	99
29) Tetrahydrofuran	7.57	42	7144	21.140	ug/l	97
30) Chloroform	7.71	83	19928	5.091	ug/l	93
31) Cyclohexane	7.98	56	19988	5.544	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	18139	5.115	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15426	4.833	ug/l	98
37) Ethyl Acetate	7.30	43	6111	4.632	ug/l #	85
38) Carbon Tetrachloride	8.09	117	18296	5.260	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16003	4.360	ug/l	92
40) Benzene	8.35	78	44107	4.887	ug/l	95
41) Methacrylonitrile	7.53	41	3158	4.860	ug/l	94
42) 1,2-Dichloroethane	8.43	62	12317	4.715	ug/l	95
43) Isopropyl Acetate	8.45	43	10079	4.244	ug/l	96
44) Trichloroethene	9.11	130	13104	5.119	ug/l	96
45) 1,2-Dichloropropane	9.38	63	10484	4.718	ug/l	91
46) Dibromomethane	9.48	93	5499	4.580	ug/l	99
47) Bromodichloromethane	9.67	83	15399	4.769	ug/l #	99
48) Methyl methacrylate	9.46	41	4910	4.305	ug/l	90
49) 1,4-Dioxane	9.46	88	1071	78.041	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	23935	18.596	ug/l	98
52) Toluene	10.40	92	25698	4.314	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	12504	4.220	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	15408	4.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	8140	4.626	ug/l	98
56) Ethyl methacrylate	10.67	69	5940	3.168	ug/l	92
57) 1,3-Dichloropropane	10.95	76	12895	4.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	17718	18.186	ug/l	100
59) 2-Hexanone	10.99	43	16797	19.445	ug/l	89
60) Dibromochloromethane	11.14	129	10468	4.534	ug/l	98
61) 1,2-Dibromoethane	11.25	107	7474	4.499	ug/l	95
64) Tetrachloroethene	10.88	164	11622	5.382	ug/l	93
65) Chlorobenzene	11.67	112	30362	5.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12063	5.297	ug/l	95
67) Ethyl Benzene	11.75	91	44754	4.406	ug/l	100
68) m/p-Xylenes	11.86	106	35267	8.881	ug/l	98
69) o-Xylene	12.18	106	14600	4.298	ug/l	99
70) Styrene	12.20	104	24921	4.076	ug/l	99
71) Bromoform	12.37	173	6623	4.976	ug/l #	99
73) Isopropylbenzene	12.48	105	37665	4.067	ug/l	99
74) N-amyl acetate	12.29	43	7994	3.916	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	8370	4.812	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	5190m	4.281	ug/l	
77) Bromobenzene	12.77	156	11880	4.829	ug/l	96
78) n-propylbenzene	12.83	91	48529	4.363	ug/l	98
79) 2-Chlorotoluene	12.91	91	28640	4.536	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	32015	4.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	2390	4.121	ug/l	92
82) 4-Chlorotoluene	13.01	91	30954	4.556	ug/l	100
83) tert-Butylbenzene	13.23	119	28010	4.322	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	31838	4.099	ug/l	99
85) sec-Butylbenzene	13.41	105	40164	4.310	ug/l	100
86) p-Isopropyltoluene	13.53	119	35160	4.099	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	23384	4.894	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	24454	5.046	ug/l	92
89) n-Butylbenzene	13.86	91	34866	4.505	ug/l	97
90) Hexachloroethane	14.13	117	9715	5.282	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	20143	4.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1256	4.614	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12982	4.614	ug/l	98
94) Hexachlorobutadiene	15.28	225	10161	5.273	ug/l	98
95) Naphthalene	15.41	128	16381	3.776	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	11393	4.560	ug/l	97

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

