

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065061.D
 Acq On : 05 Feb 2020 12:31
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:07 AM

Quant Time: Feb 05 15:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	618058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	926375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	806290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	51820	8.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.84%	
35) Dibromofluoromethane	7.93	113	49611	8.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.36%	
50) Toluene-d8	10.34	98	192536	8.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.40%	
62) 4-Bromofluorobenzene	12.64	95	62599	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53771	11.296	ug/l	95
3) Chloromethane	2.21	50	62964	9.396	ug/l	95
4) Vinyl Chloride	2.35	62	67079	8.783	ug/l	96
5) Bromomethane	2.77	94	43578	8.524	ug/l	98
6) Chloroethane	2.93	64	40699	8.152	ug/l	97
7) Trichlorofluoromethane	3.27	101	94786	8.096	ug/l	99
8) Diethyl Ether	3.71	74	28221	10.362	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	57853	10.186	ug/l	100
10) Methyl Iodide	4.30	142	60041	9.922	ug/l	99
11) Tert butyl alcohol	5.25	59	17392m	54.642	ug/l	
12) 1,1-Dichloroethene	4.06	96	57477	10.609	ug/l	94
13) Acrolein	3.93	56	20475	50.366	ug/l	98
14) Allyl chloride	4.71	41	93366	10.753	ug/l	97
15) Acrylonitrile	5.43	53	59206	50.220	ug/l	98
16) Acetone	4.17	43	64405	51.640	ug/l	94
17) Carbon Disulfide	4.40	76	181599	10.218	ug/l	100
18) Methyl Acetate	4.73	43	27932	10.134	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	122237	10.200	ug/l	94
20) Methylene Chloride	4.96	84	79936	11.615	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	63955	10.314	ug/l	93
22) Diisopropyl ether	6.37	45	175333	10.248	ug/l	91
23) Vinyl Acetate	6.31	43	466768	47.073	ug/l	98
24) 1,1-Dichloroethane	6.27	63	107999	10.290	ug/l	98
25) 2-Butanone	7.23	43	79951	50.720	ug/l	97
26) 2,2-Dichloropropane	7.21	77	94221	9.838	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	67024	10.100	ug/l	99
28) Bromochloromethane	7.55	49	38403	9.462	ug/l	98
29) Tetrahydrofuran	7.58	42	48538	49.705	ug/l	99
30) Chloroform	7.71	83	106778	9.880	ug/l	94
31) Cyclohexane	7.98	56	109310	10.511	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	100209	9.959	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89377	10.022	ug/l	96
37) Ethyl Acetate	7.30	43	34241	9.330	ug/l	96
38) Carbon Tetrachloride	8.10	117	87444	9.344	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106734	10.151	ug/l	98
40) Benzene	8.36	78	239640	9.766	ug/l	99
41) Methacrylonitrile	7.53	41	21302	11.026	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	68612	9.458	ug/l	98
43) Isopropyl Acetate	8.46	43	67169	9.638	ug/l	100
44) Trichloroethene	9.12	130	68949	9.975	ug/l	92
45) 1,2-Dichloropropane	9.40	63	57283	9.606	ug/l	96
46) Dibromomethane	9.48	93	29962	9.276	ug/l	100
47) Bromodichloromethane	9.67	83	77873	9.260	ug/l	94
48) Methyl methacrylate	9.46	41	34813	10.855	ug/l	91
49) 1,4-Dioxane	9.47	88	7571	203.951	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	162807	46.979	ug/l	99
52) Toluene	10.41	92	151728	9.581	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	75489	9.420	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	89948	9.547	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	42307	9.733	ug/l	98
56) Ethyl methacrylate	10.67	69	49887	9.564	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72936	9.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	76536	42.126	ug/l	98
59) 2-Hexanone	10.99	43	111537	46.500	ug/l	100
60) Dibromochloromethane	11.14	129	54427	9.397	ug/l	100
61) 1,2-Dibromoethane	11.25	107	40517	9.658	ug/l	100
64) Tetrachloroethene	10.88	164	58416	9.990	ug/l	96
65) Chlorobenzene	11.68	112	162562	9.906	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	58210	9.475	ug/l	98
67) Ethyl Benzene	11.75	91	286537	9.851	ug/l	100
68) m/p-Xylenes	11.86	106	216282	19.319	ug/l	98
69) o-Xylene	12.18	106	98414	9.881	ug/l	100
70) Styrene	12.20	104	167616	9.512	ug/l	100
71) Bromoform	12.37	173	31260	9.248	ug/l #	100
73) Isopropylbenzene	12.48	105	265663	10.062	ug/l	100
74) N-amyl acetate	12.30	43	56279	9.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	44100	10.041	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25193m	8.082	ug/l	
77) Bromobenzene	12.77	156	65804	10.215	ug/l	97
78) n-propylbenzene	12.83	91	312323	9.956	ug/l	99
79) 2-Chlorotoluene	12.92	91	175095	10.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	220662	10.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14325	9.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	187856	10.284	ug/l	100
83) tert-Butylbenzene	13.23	119	187734	10.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	215818	9.880	ug/l	99
85) sec-Butylbenzene	13.41	105	256746	9.861	ug/l	99
86) p-Isopropyltoluene	13.53	119	234354	9.664	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	124452	10.093	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	124033	10.136	ug/l	99
89) n-Butylbenzene	13.85	91	219331	9.909	ug/l	99
90) Hexachloroethane	14.13	117	45833	9.823	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	106521	10.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6774	9.577	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74260	10.193	ug/l	95
94) Hexachlorobutadiene	15.28	225	46753	10.145	ug/l	99
95) Naphthalene	15.41	128	122713	10.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	65862	10.517	ug/l	99

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

