

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065062.D
 Acq On : 05 Feb 2020 12:59
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:11 AM

Quant Time: Feb 05 15:33:42 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	616146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	913368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	814114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	101316	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
35) Dibromofluoromethane	7.92	113	100198	17.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.56%	
50) Toluene-d8	10.34	98	384821	17.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.28%	
62) 4-Bromofluorobenzene	12.64	95	122940	18.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	105490	22.230	ug/l	94
3) Chloromethane	2.21	50	129584	19.398	ug/l	96
4) Vinyl Chloride	2.35	62	131198	17.231	ug/l	99
5) Bromomethane	2.76	94	80731	15.841	ug/l	97
6) Chloroethane	2.92	64	84368	16.951	ug/l	94
7) Trichlorofluoromethane	3.27	101	191874	16.439	ug/l	98
8) Diethyl Ether	3.70	74	55065	20.280	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	119667	21.134	ug/l	100
10) Methyl Iodide	4.30	142	133053	22.056	ug/l	99
11) Tert butyl alcohol	5.26	59	33997	107.143	ug/l	97
12) 1,1-Dichloroethene	4.06	96	112626	20.852	ug/l	93
13) Acrolein	3.92	56	40772	100.605	ug/l	98
14) Allyl chloride	4.71	41	187344	21.644	ug/l	100
15) Acrylonitrile	5.43	53	122392	104.138	ug/l	99
16) Acetone	4.17	43	132879	106.874	ug/l	98
17) Carbon Disulfide	4.40	76	364370	20.565	ug/l	99
18) Methyl Acetate	4.73	43	59398	21.618	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	250529	20.971	ug/l	96
20) Methylene Chloride	4.96	84	128991	18.800	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	131146	21.215	ug/l	93
22) Diisopropyl ether	6.37	45	354286	20.773	ug/l	99
23) Vinyl Acetate	6.31	43	969005	98.027	ug/l	100
24) 1,1-Dichloroethane	6.27	63	219487	20.977	ug/l	99
25) 2-Butanone	7.23	43	155317	98.838	ug/l	97
26) 2,2-Dichloropropane	7.21	77	191043	20.009	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	136771	20.673	ug/l	98
28) Bromochloromethane	7.55	49	73476	18.161	ug/l	99
29) Tetrahydrofuran	7.57	42	101245	104.001	ug/l	97
30) Chloroform	7.71	83	213996	19.861	ug/l	97
31) Cyclohexane	7.98	56	214493	20.689	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	198970	19.835	ug/l	100
36) 1,1-Dichloropropene	8.11	75	172646	19.635	ug/l	99
37) Ethyl Acetate	7.30	43	74058	20.466	ug/l	98
38) Carbon Tetrachloride	8.10	117	179310	19.433	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216374	20.871	ug/l	98
40) Benzene	8.36	78	482778	19.954	ug/l	98
41) Methacrylonitrile	7.53	41	38132	20.018	ug/l	98
42) 1,2-Dichloroethane	8.43	62	139060	19.443	ug/l	98
43) Isopropyl Acetate	8.46	43	136308	19.837	ug/l	100
44) Trichloroethene	9.11	130	139210	20.426	ug/l	98
45) 1,2-Dichloropropane	9.39	63	115947	19.720	ug/l	99
46) Dibromomethane	9.48	93	60464	18.985	ug/l	97
47) Bromodichloromethane	9.67	83	164461	19.836	ug/l	97
48) Methyl methacrylate	9.46	41	65629	20.756	ug/l	99
49) 1,4-Dioxane	9.47	88	13934	380.707	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	342821	100.331	ug/l	100
52) Toluene	10.41	92	307514	19.694	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	156587	19.818	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	188102	20.250	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	83998	19.599	ug/l	94
56) Ethyl methacrylate	10.67	69	104404	20.301	ug/l	98
57) 1,3-Dichloropropane	10.96	76	149723	20.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	164021	91.564	ug/l	100
59) 2-Hexanone	10.99	43	238489	100.843	ug/l	98
60) Dibromochloromethane	11.15	129	109815	19.230	ug/l	100
61) 1,2-Dibromoethane	11.25	107	83233	20.123	ug/l	99
64) Tetrachloroethene	10.88	164	125121	21.192	ug/l	96
65) Chlorobenzene	11.68	112	324728	19.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	118301	19.071	ug/l	99
67) Ethyl Benzene	11.75	91	580102	19.752	ug/l	99
68) m/p-Xylenes	11.86	106	446509	39.501	ug/l	100
69) o-Xylene	12.18	106	201081	19.996	ug/l	99
70) Styrene	12.20	104	349211	19.627	ug/l	99
71) Bromoform	12.37	173	64967	19.035	ug/l #	99
73) Isopropylbenzene	12.48	105	555758	21.192	ug/l	99
74) N-amyl acetate	12.30	43	119837	20.542	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	83977	19.251	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	63558m	20.528	ug/l	
77) Bromobenzene	12.77	156	133859	20.922	ug/l	98
78) n-propylbenzene	12.83	91	649581	20.847	ug/l	99
79) 2-Chlorotoluene	12.91	91	363119	21.205	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	451742	21.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29117	19.613	ug/l	97
82) 4-Chlorotoluene	13.01	91	378330	20.852	ug/l	100
83) tert-Butylbenzene	13.23	119	388272	21.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	445005	20.510	ug/l	100
85) sec-Butylbenzene	13.41	105	534061	20.652	ug/l	100
86) p-Isopropyltoluene	13.53	119	491865	20.420	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	243327	19.867	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	245925	20.234	ug/l	99
89) n-Butylbenzene	13.86	91	460596	20.950	ug/l	100
90) Hexachloroethane	14.13	117	93601	20.197	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	209741	20.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13967	19.881	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	154918	21.409	ug/l	99
94) Hexachlorobutadiene	15.28	225	96240	21.026	ug/l	98
95) Naphthalene	15.41	128	250668	21.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	130848	21.036	ug/l	99

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

