

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065044.D
 Acq On : 03 Feb 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:08 AM

Quant Time: Feb 03 10:51:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	242184	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.92	113	240077	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.34	98	933331	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.64	95	289900	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204264	52.241	ug/l	98
3) Chloromethane	2.21	50	273649	47.752	ug/l	97
4) Vinyl Chloride	2.35	62	313232	47.590	ug/l	98
5) Bromomethane	2.77	94	189648	42.835	ug/l	100
6) Chloroethane	2.93	64	195383	45.027	ug/l	100
7) Trichlorofluoromethane	3.27	101	474858	46.715	ug/l	99
8) Diethyl Ether	3.71	74	108660	47.352	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	251704	53.224	ug/l	97
10) Methyl Iodide	4.30	142	259904	51.775	ug/l	99
11) Tert butyl alcohol	5.24	59	56697	206.087	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	233736	51.736	ug/l	98
13) Acrolein	3.93	56	83609	242.427	ug/l	98
14) Allyl chloride	4.71	41	382121	53.031	ug/l	98
15) Acrylonitrile	5.43	53	238901	240.413	ug/l	97
16) Acetone	4.16	43	320212	276.091	ug/l	98
17) Carbon Disulfide	4.40	76	742769	49.954	ug/l	99
18) Methyl Acetate	4.72	43	106172	45.536	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	488190	48.361	ug/l	97
20) Methylene Chloride	4.96	84	253172	52.633	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	270457	51.959	ug/l	98
22) Diisopropyl ether	6.37	45	737286	51.342	ug/l	99
23) Vinyl Acetate	6.31	43	2089480	248.520	ug/l	99
24) 1,1-Dichloroethane	6.27	63	462290	52.432	ug/l	99
25) 2-Butanone	7.22	43	340659	253.278	ug/l	100
26) 2,2-Dichloropropane	7.21	77	424561	53.087	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	285091	51.315	ug/l	99
28) Bromochloromethane	7.55	49	179956	51.035	ug/l	99
29) Tetrahydrofuran	7.57	42	187647	226.117	ug/l	99
30) Chloroform	7.71	83	466223	51.153	ug/l	100
31) Cyclohexane	7.98	56	437946	50.492	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	438044	51.662	ug/l	100
36) 1,1-Dichloropropene	8.11	75	381572	52.803	ug/l	99
37) Ethyl Acetate	7.30	43	137265	45.986	ug/l	99
38) Carbon Tetrachloride	8.10	117	405052	53.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	452433	53.552	ug/l	99
40) Benzene	8.35	78	1030242	51.765	ug/l	99
41) Methacrylonitrile	7.53	41	81574m	50.731	ug/l	
42) 1,2-Dichloroethane	8.43	62	289700	48.865	ug/l	98
43) Isopropyl Acetate	8.46	43	262313	46.264	ug/l	98
44) Trichloroethene	9.11	130	289166	51.914	ug/l	99
45) 1,2-Dichloropropane	9.39	63	250345	51.887	ug/l	99
46) Dibromomethane	9.48	93	125898	47.795	ug/l	99
47) Bromodichloromethane	9.67	83	349593	51.004	ug/l	97
48) Methyl methacrylate	9.46	41	127180	48.743	ug/l	96
49) 1,4-Dioxane	9.47	88	28357	928.209	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	667116	235.147	ug/l	100
52) Toluene	10.41	92	665951	51.899	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	328062	50.246	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	391400	51.201	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	171996	48.474	ug/l	98
56) Ethyl methacrylate	10.67	69	211246	49.787	ug/l	99
57) 1,3-Dichloropropane	10.95	76	300975	49.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	349281	247.783	ug/l	98
59) 2-Hexanone	10.99	43	522158	266.830	ug/l	100
60) Dibromochloromethane	11.14	129	233034	49.139	ug/l	98
61) 1,2-Dibromoethane	11.26	107	164715	48.211	ug/l	99
64) Tetrachloroethene	10.88	164	247119	52.550	ug/l	98
65) Chlorobenzene	11.68	112	678729	51.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	255589	51.436	ug/l	99
67) Ethyl Benzene	11.75	91	1262758	53.833	ug/l	100
68) m/p-Xylenes	11.86	106	989776	109.592	ug/l	100
69) o-Xylene	12.18	106	427692	53.358	ug/l	100
70) Styrene	12.20	104	778436	54.518	ug/l	100
71) Bromoform	12.37	173	132989	48.146	ug/l #	100
73) Isopropylbenzene	12.48	105	1199287	56.137	ug/l	100
74) N-amyl acetate	12.30	43	236472	49.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174250	48.529	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	127145m	49.009	ug/l	
77) Bromobenzene	12.77	156	276275	52.854	ug/l	99
78) n-propylbenzene	12.83	91	1428332	56.219	ug/l	99
79) 2-Chlorotoluene	12.91	91	767258	55.050	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	979119	55.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59228	48.747	ug/l	98
82) 4-Chlorotoluene	13.01	91	800515	54.158	ug/l	99
83) tert-Butylbenzene	13.23	119	818173	55.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	972926	54.858	ug/l	100
85) sec-Butylbenzene	13.41	105	1187896	56.469	ug/l	98
86) p-Isopropyltoluene	13.53	119	1118658	56.828	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539858	53.828	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	520103	52.249	ug/l	99
89) n-Butylbenzene	13.86	91	1008523	56.139	ug/l	99
90) Hexachloroethane	14.12	117	207109	54.558	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	442462	51.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28017	48.758	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	310622	52.733	ug/l	99
94) Hexachlorobutadiene	15.28	225	200276	53.753	ug/l	97
95) Naphthalene	15.41	128	472700	49.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	264339	51.756	ug/l	99

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

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