

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067542.D
 Acq On : 05 Nov 2020 17:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 9:24:35 AM

Quant Time: Nov 06 00:44:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	460049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	422040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214483	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	129727	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	7.92	113	132918	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.34	98	458039	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.64	95	166644	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	123252	47.230	ug/l	99
3) Chloromethane	2.21	50	81624	40.876	ug/l	99
4) Vinyl Chloride	2.35	62	88914	39.937	ug/l	97
5) Bromomethane	2.77	94	73227	40.580	ug/l	97
6) Chloroethane	2.92	64	55902	40.728	ug/l	94
7) Trichlorofluoromethane	3.27	101	260664	45.218	ug/l	97
8) Diethyl Ether	3.71	74	56600	48.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	134527	46.232	ug/l	98
10) Methyl Iodide	4.30	142	137525	44.097	ug/l	99
11) Tert butyl alcohol	5.22	59	35937	301.580	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	122695	45.842	ug/l	99
13) Acrolein	3.92	56	30455	245.310	ug/l	98
14) Allyl chloride	4.71	41	131832	46.022	ug/l	99
15) Acrylonitrile	5.42	53	106247	247.446	ug/l	99
16) Acetone	4.16	43	96777	230.646	ug/l	99
17) Carbon Disulfide	4.41	76	360521	43.958	ug/l	99
18) Methyl Acetate	4.71	43	39899	46.016	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	263714	49.952	ug/l #	92
20) Methylene Chloride	4.97	84	139384	47.027	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	140325	45.013	ug/l	95
22) Diisopropyl ether	6.36	45	271074	48.561	ug/l	96
23) Vinyl Acetate	6.31	43	742343	254.055	ug/l	97
24) 1,1-Dichloroethane	6.26	63	211257	46.260	ug/l	99
25) 2-Butanone	7.21	43	107864	240.583	ug/l	91
26) 2,2-Dichloropropane	7.21	77	219439	45.530	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	155420	48.032	ug/l	98
28) Bromochloromethane	7.54	49	78801	48.511	ug/l	98
29) Tetrahydrofuran	7.56	42	69970	260.537	ug/l	99
30) Chloroform	7.71	83	258025	47.361	ug/l	99
31) Cyclohexane	7.99	56	170314	41.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	257077	45.733	ug/l	98
36) 1,1-Dichloropropene	8.11	75	186493	47.358	ug/l	98
37) Ethyl Acetate	7.29	43	51421	50.296	ug/l #	95
38) Carbon Tetrachloride	8.10	117	249559	48.776	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	220676	47.612	ug/l	94
40) Benzene	8.36	78	512297	48.026	ug/l	100
41) Methacrylonitrile	7.52	41	28500m	46.636	ug/l	
42) 1,2-Dichloroethane	8.43	62	160723	48.767	ug/l	99
43) Isopropyl Acetate	8.46	43	102254	50.573	ug/l	100
44) Trichloroethene	9.11	130	169984	48.465	ug/l	91
45) 1,2-Dichloropropane	9.39	63	112925	48.964	ug/l	97
46) Dibromomethane	9.48	93	72002	49.102	ug/l	98
47) Bromodichloromethane	9.67	83	200001	50.180	ug/l	99
48) Methyl methacrylate	9.46	41	49983	47.878	ug/l	92
49) 1,4-Dioxane	9.46	88	16003	1075.010	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	252008	260.611	ug/l	99
52) Toluene	10.41	92	347433	48.628	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	175687	51.468	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	198775	49.012	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	96102	49.532	ug/l	96
56) Ethyl methacrylate	10.67	69	105467	52.639	ug/l	96
57) 1,3-Dichloropropane	10.95	76	154034	49.336	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	250357	267.952	ug/l	100
59) 2-Hexanone	10.99	43	179089	264.878	ug/l	100
60) Dibromochloromethane	11.14	129	142767	49.743	ug/l	98
61) 1,2-Dibromoethane	11.25	107	99174	50.930	ug/l	99
64) Tetrachloroethene	10.88	164	146157	46.761	ug/l	98
65) Chlorobenzene	11.67	112	389533	47.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	154829	48.321	ug/l	99
67) Ethyl Benzene	11.75	91	685011	49.241	ug/l	98
68) m/p-Xylenes	11.86	106	525674	97.128	ug/l	100
69) o-Xylene	12.18	106	235738	48.786	ug/l	99
70) Styrene	12.20	104	413515	49.111	ug/l	98
71) Bromoform	12.37	173	83596	51.156	ug/l #	98
73) Isopropylbenzene	12.48	105	662464	47.791	ug/l	99
74) N-amyl acetate	12.29	43	91666	50.256	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	93540	49.487	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	56654m	43.786	ug/l	
77) Bromobenzene	12.77	156	166307	48.853	ug/l	98
78) n-propylbenzene	12.83	91	750576	47.339	ug/l	100
79) 2-Chlorotoluene	12.91	91	436952	48.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	574046	48.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30563	47.957	ug/l	95
82) 4-Chlorotoluene	13.01	91	461841	47.812	ug/l	99
83) tert-Butylbenzene	13.23	119	476662	47.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	575810	48.851	ug/l	99
85) sec-Butylbenzene	13.41	105	653046	48.204	ug/l	99
86) p-Isopropyltoluene	13.52	119	620901	47.460	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	303928	46.788	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305116	46.388	ug/l	99
89) n-Butylbenzene	13.84	91	543275	48.077	ug/l	99
90) Hexachloroethane	14.11	117	115937	47.059	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	267900	47.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17968	53.689	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182575	47.849	ug/l	98
94) Hexachlorobutadiene	15.27	225	115350	45.169	ug/l	99
95) Naphthalene	15.40	128	302004	51.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	160807	49.214	ug/l	98

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

