

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067259.D
 Acq On : 13 Oct 2020 18:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.01ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:30 PM

Quant Time: Oct 14 03:16:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	339011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	479625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163282	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.92	113	167553	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.34	98	618053	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.64	95	217039	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	132416	48.532	ug/l	94
3) Chloromethane	2.20	50	96824	45.381	ug/l	96
4) Vinyl Chloride	2.35	62	108138	46.194	ug/l	96
5) Bromomethane	2.77	94	84921	52.235	ug/l	95
6) Chloroethane	2.93	64	68818	47.203	ug/l	91
7) Trichlorofluoromethane	3.27	101	266063	45.135	ug/l	98
8) Diethyl Ether	3.71	74	62950	46.668	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144878	46.259	ug/l	98
10) Methyl Iodide	4.30	142	143194	49.565	ug/l	99
11) Tert butyl alcohol	5.22	59	38513	210.990	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	131065	46.844	ug/l	93
13) Acrolein	3.92	56	49412	243.994	ug/l	98
14) Allyl chloride	4.71	41	152093	47.468	ug/l	98
15) Acrylonitrile	5.43	53	109496	243.279	ug/l	99
16) Acetone	4.16	43	99484	209.148	ug/l	90
17) Carbon Disulfide	4.41	76	366552	45.955	ug/l	97
18) Methyl Acetate	4.71	43	47699	43.965	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	272971	49.065	ug/l	96
20) Methylene Chloride	4.97	84	149491	48.972	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	152374	47.324	ug/l	99
22) Diisopropyl ether	6.37	45	291100	49.734	ug/l	92
23) Vinyl Acetate	6.31	43	864182	259.514	ug/l	99
24) 1,1-Dichloroethane	6.27	63	238281	47.557	ug/l	98
25) 2-Butanone	7.21	43	125352	231.188	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	232665	45.052	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	170968	48.449	ug/l	99
28) Bromochloromethane	7.55	49	86149	50.409	ug/l #	99
29) Tetrahydrofuran	7.56	42	74053	245.695	ug/l	96
30) Chloroform	7.71	83	290957	48.611	ug/l	90
31) Cyclohexane	7.98	56	174231	44.539	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	277099	47.184	ug/l	97
36) 1,1-Dichloropropene	8.11	75	206184	47.096	ug/l	98
37) Ethyl Acetate	7.30	43	62272	48.345	ug/l #	84
38) Carbon Tetrachloride	8.10	117	264652	47.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	219787	48.022	ug/l	98
40) Benzene	8.35	78	578811	48.192	ug/l	99
41) Methacrylonitrile	7.53	41	34300	49.278	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	177996	47.356	ug/l	99
43) Isopropyl Acetate	8.46	43	123935	48.490	ug/l	99
44) Trichloroethene	9.11	130	187312	48.710	ug/l	99
45) 1,2-Dichloropropane	9.39	63	131411	47.210	ug/l	99
46) Dibromomethane	9.48	93	81794	47.163	ug/l	99
47) Bromodichloromethane	9.67	83	223439	48.088	ug/l	98
48) Methyl methacrylate	9.46	41	57365	46.185	ug/l	98
49) 1,4-Dioxane	9.46	88	16647	991.637	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	307291	241.052	ug/l	100
52) Toluene	10.41	92	402137	49.159	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	199797	48.949	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	232553	48.683	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	113045	47.801	ug/l	99
56) Ethyl methacrylate	10.67	69	123434	50.326	ug/l	99
57) 1,3-Dichloropropane	10.95	76	182996	48.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	317682	252.485	ug/l	100
59) 2-Hexanone	10.99	43	214891	246.688	ug/l	98
60) Dibromochloromethane	11.14	129	162308	47.061	ug/l	96
61) 1,2-Dibromoethane	11.25	107	110710	47.485	ug/l	97
64) Tetrachloroethene	10.88	164	159689	45.953	ug/l	97
65) Chlorobenzene	11.67	112	445125	48.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	179459	49.094	ug/l	100
67) Ethyl Benzene	11.75	91	778966	49.408	ug/l	100
68) m/p-Xylenes	11.86	106	611603	100.738	ug/l	96
69) o-Xylene	12.18	106	276036	49.099	ug/l	96
70) Styrene	12.20	104	473672	48.944	ug/l	97
71) Bromoform	12.37	173	93594	47.660	ug/l #	100
73) Isopropylbenzene	12.48	105	776019	51.204	ug/l	100
74) N-amyl acetate	12.29	43	114927	50.209	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	111356	47.954	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	70617m	42.667	ug/l	
77) Bromobenzene	12.77	156	185971	49.220	ug/l	99
78) n-propylbenzene	12.83	91	888013	50.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	505321	49.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	670599	50.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35275	48.332	ug/l	97
82) 4-Chlorotoluene	13.01	91	535255	49.525	ug/l	99
83) tert-Butylbenzene	13.23	119	571886	51.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	662367	50.886	ug/l	100
85) sec-Butylbenzene	13.41	105	758867	49.713	ug/l	100
86) p-Isopropyltoluene	13.52	119	725624	50.362	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	354477	48.742	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	351812	48.827	ug/l	99
89) n-Butylbenzene	13.85	91	635016	50.098	ug/l	100
90) Hexachloroethane	14.12	117	121951	48.503	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	314645	49.525	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18936	44.886	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217201	50.706	ug/l	97
94) Hexachlorobutadiene	15.28	225	132302	49.738	ug/l	99
95) Naphthalene	15.41	128	359118	51.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185227	50.054	ug/l	100

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

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