

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065441.D
 Acq On : 09 Mar 2020 10:47
 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
 3/10/2020 3:34:24 PM

Quant Time: Mar 10 12:29:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	692390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194139	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	7.92	113	214749	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.34	98	839405	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.64	95	263029	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	196122	45.473	ug/l	99
3) Chloromethane	2.21	50	232334	44.619	ug/l	100
4) Vinyl Chloride	2.35	62	241208	46.965	ug/l	97
5) Bromomethane	2.77	94	147778	51.494	ug/l	96
6) Chloroethane	2.93	64	150105	47.720	ug/l	99
7) Trichlorofluoromethane	3.27	101	361190	47.728	ug/l	99
8) Diethyl Ether	3.71	74	102716	45.641	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	238438	48.921	ug/l	98
10) Methyl Iodide	4.30	142	253559	50.075	ug/l	99
11) Tert butyl alcohol	5.24	59	51930	210.314	ug/l	96
12) 1,1-Dichloroethene	4.06	96	221585	47.478	ug/l	95
13) Acrolein	3.93	56	81279	190.869	ug/l	97
14) Allyl chloride	4.71	41	336924	46.994	ug/l	100
15) Acrylonitrile	5.43	53	222297	227.051	ug/l	99
16) Acetone	4.17	43	255415	293.383	ug/l	95
17) Carbon Disulfide	4.40	76	729422	46.931	ug/l	99
18) Methyl Acetate	4.72	43	95766	43.365	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	416643	46.422	ug/l	100
20) Methylene Chloride	4.96	84	238688	50.523	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	254135	48.950	ug/l	96
22) Diisopropyl ether	6.37	45	650604	48.816	ug/l	98
23) Vinyl Acetate	6.31	43	1808824	244.430	ug/l	100
24) 1,1-Dichloroethane	6.27	63	409558	47.910	ug/l	98
25) 2-Butanone	7.22	43	293401	246.961	ug/l	100
26) 2,2-Dichloropropane	7.21	77	369572	49.471	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	259272	48.857	ug/l	98
28) Bromochloromethane	7.55	49	167943	49.104	ug/l	99
29) Tetrahydrofuran	7.57	42	170924	225.285	ug/l	99
30) Chloroform	7.71	83	412361	48.261	ug/l	100
31) Cyclohexane	7.98	56	404899	47.368	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	385124	48.774	ug/l	99
36) 1,1-Dichloropropene	8.11	75	353158	53.210	ug/l	98
37) Ethyl Acetate	7.30	43	123082	47.980	ug/l	97
38) Carbon Tetrachloride	8.10	117	359857	52.287	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428837	53.497	ug/l	94
40) Benzene	8.36	78	961698	51.825	ug/l	99
41) Methacrylonitrile	7.53	41	71498	52.701	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	243455	50.242	ug/l	100
43) Isopropyl Acetate	8.46	43	224190	47.331	ug/l	98
44) Trichloroethene	9.11	130	269616	51.448	ug/l	98
45) 1,2-Dichloropropane	9.39	63	231332	51.464	ug/l	97
46) Dibromomethane	9.48	93	118623	50.876	ug/l	98
47) Bromodichloromethane	9.67	83	311355	51.329	ug/l	96
48) Methyl methacrylate	9.46	41	106121	47.629	ug/l	97
49) 1,4-Dioxane	9.47	88	26160	980.869	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	608371	255.233	ug/l	99
52) Toluene	10.41	92	625530	53.509	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	288599	50.912	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	353787	51.562	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	165433	50.096	ug/l	97
56) Ethyl methacrylate	10.67	69	192004	51.574	ug/l	98
57) 1,3-Dichloropropane	10.95	76	283193	50.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	260745	224.318	ug/l	98
59) 2-Hexanone	10.99	43	453941	275.112	ug/l	100
60) Dibromochloromethane	11.14	129	219587	51.874	ug/l	99
61) 1,2-Dibromoethane	11.25	107	161553	51.288	ug/l	96
64) Tetrachloroethene	10.88	164	234800	52.630	ug/l	98
65) Chlorobenzene	11.67	112	637530	51.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	235362	52.451	ug/l	98
67) Ethyl Benzene	11.75	91	1162509	54.607	ug/l	100
68) m/p-Xylenes	11.86	106	893332	108.827	ug/l	99
69) o-Xylene	12.18	106	394436	54.626	ug/l	99
70) Styrene	12.20	104	694008	54.612	ug/l	100
71) Bromoform	12.37	173	126247	50.088	ug/l #	100
73) Isopropylbenzene	12.48	105	1112939	55.114	ug/l	100
74) N-amyl acetate	12.30	43	201678	48.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	174599	49.189	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	117498m	48.502	ug/l	
77) Bromobenzene	12.77	156	260461	51.915	ug/l	99
78) n-propylbenzene	12.83	91	1323584	55.242	ug/l	100
79) 2-Chlorotoluene	12.91	91	719342	53.272	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904892	54.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	56121	48.887	ug/l	98
82) 4-Chlorotoluene	13.01	91	748803	52.771	ug/l	99
83) tert-Butylbenzene	13.23	119	768733	54.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	894538	54.664	ug/l	100
85) sec-Butylbenzene	13.41	105	1094440	54.592	ug/l	99
86) p-Isopropyltoluene	13.53	119	1018135	55.655	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	500263	51.864	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484087	50.452	ug/l	99
89) n-Butylbenzene	13.86	91	929634	54.968	ug/l	99
90) Hexachloroethane	14.12	117	196658	52.201	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	420978	51.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25541	47.247	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	282048	50.697	ug/l	99
94) Hexachlorobutadiene	15.28	225	192175	52.571	ug/l	99
95) Naphthalene	15.41	128	454435	46.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	244793	50.919	ug/l	98

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

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