

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066885.D
 Acq On : 25 Sep 2020 20:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:25 AM

Quant Time: Sep 26 05:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	387692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185938	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.91	113	195748	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.33	98	674051	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.63	95	242150	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124859	45.685	ug/l	96
3) Chloromethane	2.20	50	150347	42.208	ug/l	96
4) Vinyl Chloride	2.35	62	147768	41.990	ug/l	91
5) Bromomethane	2.77	94	110429	44.645	ug/l	96
6) Chloroethane	2.92	64	94364	43.180	ug/l	95
7) Trichlorofluoromethane	3.27	101	319378	44.190	ug/l	99
8) Diethyl Ether	3.71	74	93487	50.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	189579	45.237	ug/l	98
10) Methyl Iodide	4.30	142	182568	49.368	ug/l	98
11) Tert butyl alcohol	5.22	59	62959	280.476	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	171751	45.241	ug/l	95
13) Acrolein	3.92	56	87152	311.341	ug/l	97
14) Allyl chloride	4.71	41	264412	47.431	ug/l	98
15) Acrylonitrile	5.43	53	207857	255.631	ug/l	99
16) Acetone	4.16	43	163374	202.959	ug/l	95
17) Carbon Disulfide	4.41	76	517019	44.546	ug/l	100
18) Methyl Acetate	4.71	43	99624	55.896	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	441736	53.580	ug/l	93
20) Methylene Chloride	4.97	84	232885	54.082	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	210207	47.820	ug/l	93
22) Diisopropyl ether	6.37	45	599789	52.329	ug/l	96
23) Vinyl Acetate	6.31	43	1561914	250.978	ug/l	98
24) 1,1-Dichloroethane	6.27	63	372714	48.607	ug/l #	97
25) 2-Butanone	7.21	43	244985	253.255	ug/l	99
26) 2,2-Dichloropropane	7.21	77	301685	42.926	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	247165	51.750	ug/l	96
28) Bromochloromethane	7.54	49	170275	53.752	ug/l #	96
29) Tetrahydrofuran	7.56	42	166483	268.596	ug/l	98
30) Chloroform	7.71	83	406822	49.219	ug/l	98
31) Cyclohexane	7.98	56	290708	42.135	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	350881	46.927	ug/l	99
36) 1,1-Dichloropropene	8.11	75	288643	46.389	ug/l	99
37) Ethyl Acetate	7.30	43	121133	53.852	ug/l	99
38) Carbon Tetrachloride	8.10	117	309405	45.483	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	329675	46.147	ug/l	98
40) Benzene	8.35	78	848004	48.901	ug/l	96
41) Methacrylonitrile	7.52	41	72227	52.214	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	252531	49.260	ug/l	99
43) Isopropyl Acetate	8.45	43	219133	50.530	ug/l	100
44) Trichloroethene	9.11	130	238122	48.176	ug/l	98
45) 1,2-Dichloropropane	9.38	63	211098	48.383	ug/l	94
46) Dibromomethane	9.47	93	122500	51.676	ug/l	97
47) Bromodichloromethane	9.66	83	321211	50.441	ug/l	95
48) Methyl methacrylate	9.45	41	110765	51.804	ug/l	99
49) 1,4-Dioxane	9.46	88	28669	1074.128	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	596630	271.515	ug/l	99
52) Toluene	10.40	92	570965	51.116	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	279496	51.567	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	338129	51.163	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	166266	51.020	ug/l	98
56) Ethyl methacrylate	10.66	69	195308	55.944	ug/l	97
57) 1,3-Dichloropropane	10.94	76	286043	53.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	426560	258.049	ug/l	100
59) 2-Hexanone	10.98	43	401014	270.612	ug/l	98
60) Dibromochloromethane	11.14	129	222432	52.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	164885	54.397	ug/l	98
64) Tetrachloroethene	10.87	164	206120	48.321	ug/l	93
65) Chlorobenzene	11.67	112	603815	48.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	234612	50.217	ug/l	98
67) Ethyl Benzene	11.74	91	1076336	49.647	ug/l	99
68) m/p-Xylenes	11.85	106	830929	101.230	ug/l	100
69) o-Xylene	12.18	106	379630	51.148	ug/l	100
70) Styrene	12.19	104	676682	52.498	ug/l	99
71) Bromoform	12.36	173	123744	52.313	ug/l #	97
73) Isopropylbenzene	12.48	105	1031098	50.343	ug/l	99
74) N-amyl acetate	12.28	43	205068	51.270	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	178765	50.582	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	107410m	45.714	ug/l	
77) Bromobenzene	12.76	156	245712	51.295	ug/l	96
78) n-propylbenzene	12.82	91	1207536	49.007	ug/l	100
79) 2-Chlorotoluene	12.91	91	693328	49.378	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	881428	50.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51461	54.797	ug/l	96
82) 4-Chlorotoluene	13.00	91	744752	50.316	ug/l	100
83) tert-Butylbenzene	13.23	119	728267	50.997	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	876001	50.833	ug/l	99
85) sec-Butylbenzene	13.40	105	1011973	49.279	ug/l	99
86) p-Isopropyltoluene	13.52	119	933659	50.439	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	467392	49.388	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460972	49.043	ug/l	99
89) n-Butylbenzene	13.84	91	851290	48.385	ug/l	99
90) Hexachloroethane	14.11	117	183264	48.766	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	408939	50.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29810	52.434	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	264532	51.901	ug/l	95
94) Hexachlorobutadiene	15.27	225	147491	48.290	ug/l	98
95) Naphthalene	15.40	128	479610	55.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	229548	52.180	ug/l	98

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

