

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067313.D
 Acq On : 20 Oct 2020 10:04
 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
 10/21/2020 2:51:53 PM

Quant Time: Oct 21 01:58:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	488096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156781	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.91	113	161822	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.34	98	589806	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	199987	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131624	48.317	ug/l	97
3) Chloromethane	2.21	50	95173	44.695	ug/l	98
4) Vinyl Chloride	2.35	62	110935	47.481	ug/l	94
5) Bromomethane	2.77	94	86439	53.321	ug/l	100
6) Chloroethane	2.93	64	70033	48.131	ug/l	93
7) Trichlorofluoromethane	3.27	101	285423	48.514	ug/l	97
8) Diethyl Ether	3.71	74	61674	45.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	152617	48.826	ug/l	97
10) Methyl Iodide	4.30	142	160175	55.551	ug/l	98
11) Tert butyl alcohol	5.21	59	39206	216.321	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	136926	49.034	ug/l	97
13) Acrolein	3.92	56	57328	280.116	ug/l	97
14) Allyl chloride	4.71	41	159312	49.818	ug/l	99
15) Acrylonitrile	5.41	53	112919	251.376	ug/l	99
16) Acetone	4.16	43	130419	274.720	ug/l	95
17) Carbon Disulfide	4.41	76	368927	46.343	ug/l	98
18) Methyl Acetate	4.72	43	52056	48.075	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	281072	50.620	ug/l	98
20) Methylene Chloride	4.97	84	151093	49.656	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	160380	49.908	ug/l	92
22) Diisopropyl ether	6.36	45	299277	51.231	ug/l	97
23) Vinyl Acetate	6.30	43	904403	272.123	ug/l	100
24) 1,1-Dichloroethane	6.27	63	250767	50.147	ug/l	100
25) 2-Butanone	7.21	43	134876	249.240	ug/l	96
26) 2,2-Dichloropropane	7.21	77	264239	51.266	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	176224	50.037	ug/l	99
28) Bromochloromethane	7.54	49	84336	49.445	ug/l #	98
29) Tetrahydrofuran	7.56	42	75611	251.355	ug/l	93
30) Chloroform	7.71	83	298957	50.045	ug/l	94
31) Cyclohexane	7.98	56	186702	47.820	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	299528	51.103	ug/l	100
36) 1,1-Dichloropropene	8.11	75	215606	52.117	ug/l	98
37) Ethyl Acetate	7.30	43	62590	51.423	ug/l #	89
38) Carbon Tetrachloride	8.10	117	281833	53.303	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	231357	53.495	ug/l	99
40) Benzene	8.36	78	603152	53.145	ug/l	100
41) Methacrylonitrile	7.53	41	37850	57.546	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	185258	52.160	ug/l	100
43) Isopropyl Acetate	8.45	43	129121	53.463	ug/l	100
44) Trichloroethene	9.11	130	191634	52.737	ug/l	98
45) 1,2-Dichloropropane	9.39	63	134814	51.255	ug/l	95
46) Dibromomethane	9.48	93	83377	50.877	ug/l	99
47) Bromodichloromethane	9.67	83	229150	52.190	ug/l	98
48) Methyl methacrylate	9.46	41	69039	58.822	ug/l #	85
49) 1,4-Dioxane	9.46	88	17003	1074.386	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	319104	264.902	ug/l	98
52) Toluene	10.40	92	413652	53.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	203861	52.855	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	237390	52.591	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	115971	51.895	ug/l	97
56) Ethyl methacrylate	10.66	69	126175	54.441	ug/l	98
57) 1,3-Dichloropropane	10.95	76	185668	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	320822	269.836	ug/l	99
59) 2-Hexanone	10.99	43	237848	288.950	ug/l	99
60) Dibromochloromethane	11.14	129	170249	52.239	ug/l	100
61) 1,2-Dibromoethane	11.25	107	113481	51.509	ug/l	98
64) Tetrachloroethene	10.88	164	166716	50.857	ug/l	96
65) Chlorobenzene	11.67	112	449665	51.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181839	52.733	ug/l	99
67) Ethyl Benzene	11.75	91	798568	53.694	ug/l	98
68) m/p-Xylenes	11.86	106	615277	107.431	ug/l	98
69) o-Xylene	12.18	106	280853	52.957	ug/l	97
70) Styrene	12.20	104	481568	52.749	ug/l	98
71) Bromoform	12.37	173	96768	52.236	ug/l #	100
73) Isopropylbenzene	12.48	105	801997	56.262	ug/l	100
74) N-amyl acetate	12.30	43	115874	53.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	115652	52.951	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	69784m	44.829	ug/l	
77) Bromobenzene	12.77	156	191283	53.825	ug/l	99
78) n-propylbenzene	12.83	91	913605	55.317	ug/l	100
79) 2-Chlorotoluene	12.91	91	519484	54.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	684623	55.269	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	38372	55.899	ug/l	97
82) 4-Chlorotoluene	13.01	91	544456	53.560	ug/l	99
83) tert-Butylbenzene	13.23	119	584400	55.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	680990	55.622	ug/l	99
85) sec-Butylbenzene	13.41	105	804097	56.005	ug/l	100
86) p-Isopropyltoluene	13.52	119	748959	55.267	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	362228	52.955	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	359525	53.051	ug/l	99
89) n-Butylbenzene	13.85	91	679035	56.957	ug/l	98
90) Hexachloroethane	14.12	117	126086	53.317	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	313619	52.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20160	50.807	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220870	54.822	ug/l	98
94) Hexachlorobutadiene	15.27	225	138231	55.251	ug/l	98
95) Naphthalene	15.41	128	366847	55.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	192256	55.236	ug/l	100

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

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