

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067337.D
 Acq On : 21 Oct 2020 10:07
 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
 10/22/2020 5:19:11 PM

Quant Time: Oct 22 00:24:13 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	319698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	456422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157560	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.92	113	163686	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	10.34	98	594654	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.64	95	202208	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118702	45.897	ug/l	98
3) Chloromethane	2.21	50	85747	42.617	ug/l	98
4) Vinyl Chloride	2.35	62	97311	44.080	ug/l	93
5) Bromomethane	2.77	94	76445	49.750	ug/l	98
6) Chloroethane	2.92	64	62426	45.406	ug/l	94
7) Trichlorofluoromethane	3.27	101	256453	46.133	ug/l	99
8) Diethyl Ether	3.71	74	55524	43.650	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	136674	46.276	ug/l	98
10) Methyl Iodide	4.30	142	132426	48.607	ug/l	98
11) Tert butyl alcohol	5.21	59	32631	183.902	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	121842	46.178	ug/l	97
13) Acrolein	3.92	56	45909	240.711	ug/l	100
14) Allyl chloride	4.71	41	136211	45.079	ug/l	99
15) Acrylonitrile	5.42	53	96928	228.365	ug/l	100
16) Acetone	4.16	43	105298	234.744	ug/l	99
17) Carbon Disulfide	4.41	76	323196	42.967	ug/l	99
18) Methyl Acetate	4.71	43	45386	44.360	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	241663	46.062	ug/l	99
20) Methylene Chloride	4.97	84	134061	46.328	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	138860	45.732	ug/l	96
22) Diisopropyl ether	6.36	45	265615	48.121	ug/l	96
23) Vinyl Acetate	6.31	43	771232	245.592	ug/l	99
24) 1,1-Dichloroethane	6.26	63	221487	46.876	ug/l	98
25) 2-Butanone	7.21	43	115637	226.154	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	236567	48.575	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	156866	47.139	ug/l	98
28) Bromochloromethane	7.55	49	80687	50.066	ug/l #	97
29) Tetrahydrofuran	7.56	42	67207	236.451	ug/l	97
30) Chloroform	7.71	83	271846	48.162	ug/l	98
31) Cyclohexane	7.98	56	166670	45.180	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	270804	48.898	ug/l	100
36) 1,1-Dichloropropene	8.11	75	193216	49.946	ug/l	99
37) Ethyl Acetate	7.30	43	57514	50.532	ug/l #	91
38) Carbon Tetrachloride	8.10	117	254814	51.537	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	201556	49.838	ug/l	96
40) Benzene	8.36	78	526546	49.614	ug/l	97
41) Methacrylonitrile	7.53	41	33150m	53.898	ug/l	
42) 1,2-Dichloroethane	8.43	62	162675	48.980	ug/l	99
43) Isopropyl Acetate	8.46	43	111762	49.486	ug/l	99
44) Trichloroethene	9.11	130	168561	49.607	ug/l	95
45) 1,2-Dichloropropane	9.39	63	119574	48.615	ug/l	100
46) Dibromomethane	9.48	93	74596	48.678	ug/l	98
47) Bromodichloromethane	9.66	83	205869	50.141	ug/l	99
48) Methyl methacrylate	9.46	41	54987	50.101	ug/l	97
49) 1,4-Dioxane	9.46	88	14237	958.763	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	283055	251.283	ug/l	97
52) Toluene	10.41	92	370443	51.249	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	185910	51.545	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	213801	50.652	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	103891	49.716	ug/l	96
56) Ethyl methacrylate	10.66	69	108437	50.034	ug/l	97
57) 1,3-Dichloropropane	10.95	76	164017	49.319	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	296221	266.435	ug/l	99
59) 2-Hexanone	10.98	43	203263	264.070	ug/l	99
60) Dibromochloromethane	11.14	129	150583	49.411	ug/l	96
61) 1,2-Dibromoethane	11.25	107	101431	49.235	ug/l	100
64) Tetrachloroethene	10.88	164	149287	48.117	ug/l	96
65) Chlorobenzene	11.67	112	398923	48.581	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	164307	50.344	ug/l	98
67) Ethyl Benzene	11.75	91	708640	50.343	ug/l	100
68) m/p-Xylenes	11.86	106	554549	102.305	ug/l	97
69) o-Xylene	12.18	106	251190	50.043	ug/l	95
70) Styrene	12.20	104	439311	50.842	ug/l	99
71) Bromoform	12.37	173	86605	49.395	ug/l #	100
73) Isopropylbenzene	12.48	105	719357	52.067	ug/l	100
74) N-amyl acetate	12.29	43	101103	48.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	102307	48.328	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	76608m	50.774	ug/l	
77) Bromobenzene	12.76	156	171637	49.830	ug/l	98
78) n-propylbenzene	12.83	91	818731	51.146	ug/l	99
79) 2-Chlorotoluene	12.91	91	468247	50.441	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	619323	51.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33030	49.644	ug/l	98
82) 4-Chlorotoluene	13.01	91	497221	50.466	ug/l	99
83) tert-Butylbenzene	13.23	119	533353	52.590	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	610151	51.418	ug/l	99
85) sec-Butylbenzene	13.41	105	717290	51.545	ug/l	100
86) p-Isopropyltoluene	13.52	119	675970	51.464	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	327465	49.393	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	321510	48.947	ug/l	100
89) n-Butylbenzene	13.85	91	600687	51.984	ug/l	99
90) Hexachloroethane	14.11	117	112828	49.225	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	280833	48.489	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17593	45.745	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	199611	51.118	ug/l	98
94) Hexachlorobutadiene	15.27	225	126419	52.133	ug/l	98
95) Naphthalene	15.41	128	320826	50.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	169771	50.325	ug/l	98

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

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