

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067445.D
 Acq On : 29 Oct 2020 11:35
 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
 10/30/2020 1:34:51 PM

Quant Time: Oct 30 02:33:29 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	334948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	437648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	145540	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
35) Dibromofluoromethane	7.92	113	153417	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	552712	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.64	95	193520	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	120374	44.271	ug/l	100
3) Chloromethane	2.21	50	85211	40.423	ug/l	98
4) Vinyl Chloride	2.34	62	102048	44.121	ug/l	91
5) Bromomethane	2.77	94	76277	47.263	ug/l	99
6) Chloroethane	2.92	64	63574	44.135	ug/l	92
7) Trichlorofluoromethane	3.27	101	297329	51.051	ug/l	100
8) Diethyl Ether	3.71	74	63224	47.440	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	160813	51.970	ug/l	98
10) Methyl Iodide	4.30	142	153582	53.805	ug/l	99
11) Tert butyl alcohol	5.21	59	46360	269.237	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	140943	50.985	ug/l	93
13) Acrolein	3.92	56	40882	207.844	ug/l	92
14) Allyl chloride	4.71	41	161089	50.885	ug/l	99
15) Acrylonitrile	5.42	53	118893	267.362	ug/l	99
16) Acetone	4.16	43	143686	305.739	ug/l	98
17) Carbon Disulfide	4.41	76	343595	43.599	ug/l	97
18) Methyl Acetate	4.73	43	56811	52.999	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	298940	54.385	ug/l	99
20) Methylene Chloride	4.97	84	157853	52.677	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	163896	51.520	ug/l	97
22) Diisopropyl ether	6.36	45	311348	53.838	ug/l	99
23) Vinyl Acetate	6.31	43	923886	280.808	ug/l	97
24) 1,1-Dichloroethane	6.27	63	256308	51.776	ug/l	98
25) 2-Butanone	7.21	43	146941	274.292	ug/l	95
26) 2,2-Dichloropropane	7.21	77	281249	55.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	184727	52.984	ug/l	99
28) Bromochloromethane	7.55	49	81448	48.237	ug/l	99
29) Tetrahydrofuran	7.56	42	81860	274.891	ug/l	96
30) Chloroform	7.71	83	313192	52.961	ug/l	91
31) Cyclohexane	7.98	56	189339	48.988	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	310842	53.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	225685	56.240	ug/l	99
37) Ethyl Acetate	7.30	43	68912	58.368	ug/l #	93
38) Carbon Tetrachloride	8.10	117	293065	57.141	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	240267	57.273	ug/l	98
40) Benzene	8.36	78	608675	55.290	ug/l	99
41) Methacrylonitrile	7.52	41	25988m	40.733	ug/l	
42) 1,2-Dichloroethane	8.43	62	189410	54.978	ug/l	98
43) Isopropyl Acetate	8.46	43	131380	56.080	ug/l	99
44) Trichloroethene	9.11	130	196946	55.875	ug/l	96
45) 1,2-Dichloropropane	9.39	63	140852	55.206	ug/l	100
46) Dibromomethane	9.48	93	87041	54.755	ug/l	97
47) Bromodichloromethane	9.67	83	241042	56.596	ug/l	98
48) Methyl methacrylate	9.46	41	64942	57.042	ug/l	93
49) 1,4-Dioxane	9.46	88	17398	1135.055	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	335644	287.248	ug/l	99
52) Toluene	10.41	92	426117	56.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	212381	56.766	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	243871	55.697	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	123054	56.767	ug/l	93
56) Ethyl methacrylate	10.67	69	129505	57.606	ug/l	99
57) 1,3-Dichloropropane	10.95	76	193540	56.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	324860	281.681	ug/l	98
59) 2-Hexanone	10.99	43	246487	308.703	ug/l	99
60) Dibromochloromethane	11.14	129	173468	54.873	ug/l	98
61) 1,2-Dibromoethane	11.25	107	116922	54.712	ug/l	98
64) Tetrachloroethene	10.88	164	171660	54.136	ug/l	96
65) Chlorobenzene	11.67	112	465324	55.446	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	188561	56.531	ug/l	99
67) Ethyl Benzene	11.75	91	828264	57.574	ug/l	99
68) m/p-Xylenes	11.86	106	645492	116.517	ug/l	97
69) o-Xylene	12.18	106	288405	56.220	ug/l	97
70) Styrene	12.20	104	498433	56.442	ug/l	98
71) Bromoform	12.37	173	101830	56.827	ug/l #	99
73) Isopropylbenzene	12.48	105	840616	58.717	ug/l	100
74) N-amyl acetate	12.29	43	118512	54.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	119522	54.487	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	90365m	57.799	ug/l	
77) Bromobenzene	12.77	156	200278	56.113	ug/l	97
78) n-propylbenzene	12.83	91	970399	58.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	538939	56.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	720081	57.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39724	57.618	ug/l	94
82) 4-Chlorotoluene	13.01	91	569945	55.825	ug/l	99
83) tert-Butylbenzene	13.23	119	627373	59.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	709111	57.669	ug/l	100
85) sec-Butylbenzene	13.41	105	845984	58.668	ug/l	100
86) p-Isopropyltoluene	13.52	119	796326	58.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	378265	55.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	378003	55.537	ug/l	100
89) n-Butylbenzene	13.85	91	702370	58.659	ug/l	99
90) Hexachloroethane	14.12	117	134939	56.814	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	328989	54.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21411	53.727	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	236767	58.514	ug/l	99
94) Hexachlorobutadiene	15.27	225	150257	59.798	ug/l	97
95) Naphthalene	15.41	128	394804	59.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	205606	58.817	ug/l	98

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

