

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066038.D
 Acq On : 24 Jul 2020 10:51
 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
 7/27/2020 12:03:45 PM

Quant Time: Jul 25 00:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	425900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131106	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.92	113	139520	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.34	98	528673	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
62) 4-Bromofluorobenzene	12.64	95	182393	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98084	43.005	ug/l	97
3) Chloromethane	2.21	50	78042	41.930	ug/l	96
4) Vinyl Chloride	2.35	62	81732	46.113	ug/l	89
5) Bromomethane	2.77	94	58059	46.195	ug/l	99
6) Chloroethane	2.92	64	50895	48.102	ug/l	98
7) Trichlorofluoromethane	3.27	101	210123	48.739	ug/l	96
8) Diethyl Ether	3.70	74	57622	48.354	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	128811	49.483	ug/l	98
10) Methyl Iodide	4.30	142	137455	51.872	ug/l	95
11) Tert butyl alcohol	5.21	59	35654	229.527	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	117545	47.305	ug/l	94
13) Acrolein	3.92	56	45251	219.633	ug/l	97
14) Allyl chloride	4.71	41	177936	45.810	ug/l	93
15) Acrylonitrile	5.41	53	120703	237.090	ug/l	98
16) Acetone	4.15	43	129557	261.740	ug/l	91
17) Carbon Disulfide	4.40	76	356017	44.170	ug/l	99
18) Methyl Acetate	4.72	43	51129	44.403	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	260201	50.966	ug/l	98
20) Methylene Chloride	4.97	84	139556	51.052	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	136748	48.693	ug/l	94
22) Diisopropyl ether	6.36	45	369044	50.010	ug/l	97
23) Vinyl Acetate	6.30	43	1044458	250.968	ug/l	95
24) 1,1-Dichloroethane	6.26	63	223836	50.062	ug/l	96
25) 2-Butanone	7.21	43	158908	241.942	ug/l	98
26) 2,2-Dichloropropane	7.21	77	203632	50.645	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146781	49.364	ug/l	99
28) Bromochloromethane	7.54	49	98449	51.878	ug/l	96
29) Tetrahydrofuran	7.56	42	95151	234.796	ug/l	96
30) Chloroform	7.71	83	235403	50.331	ug/l	97
31) Cyclohexane	7.99	56	198036	45.020	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	220911	51.063	ug/l	99
36) 1,1-Dichloropropene	8.11	75	186151	51.213	ug/l	98
37) Ethyl Acetate	7.30	43	70832	51.026	ug/l	98
38) Carbon Tetrachloride	8.09	117	207355	52.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	228503	51.911	ug/l	98
40) Benzene	8.35	78	518019	50.941	ug/l	98
41) Methacrylonitrile	7.53	41	42724m	53.726	ug/l	
42) 1,2-Dichloroethane	8.43	62	144932	52.011	ug/l	99
43) Isopropyl Acetate	8.46	43	130082	47.979	ug/l	98
44) Trichloroethene	9.11	130	161585	52.509	ug/l	87
45) 1,2-Dichloropropane	9.38	63	125678	51.029	ug/l	95
46) Dibromomethane	9.48	93	68209	51.446	ug/l	96
47) Bromodichloromethane	9.66	83	181551	51.788	ug/l	96
48) Methyl methacrylate	9.46	41	66612	48.706	ug/l	95
49) 1,4-Dioxane	9.47	88	15522	1010.511	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	343810	251.676	ug/l	99
52) Toluene	10.41	92	348935	52.617	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	171645	52.555	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	206616	52.189	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	98072	52.156	ug/l	96
56) Ethyl methacrylate	10.66	69	114822	52.521	ug/l	96
57) 1,3-Dichloropropane	10.95	76	162191	52.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	263417	252.227	ug/l	96
59) 2-Hexanone	10.98	43	250280	264.377	ug/l	97
60) Dibromochloromethane	11.14	129	135525	53.455	ug/l	99
61) 1,2-Dibromoethane	11.25	107	94922	52.356	ug/l	98
64) Tetrachloroethene	10.88	164	139207	51.328	ug/l	96
65) Chlorobenzene	11.67	112	381180	52.101	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	144991	53.672	ug/l	99
67) Ethyl Benzene	11.75	91	673871	53.522	ug/l	99
68) m/p-Xylenes	11.86	106	515633	106.551	ug/l	99
69) o-Xylene	12.18	106	241949	54.970	ug/l	98
70) Styrene	12.20	104	415071	54.885	ug/l	99
71) Bromoform	12.36	173	80932	51.145	ug/l #	94
73) Isopropylbenzene	12.48	105	674647	52.200	ug/l	99
74) N-amyl acetate	12.29	43	129703	48.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	100490	47.048	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	74840m	46.536	ug/l	
77) Bromobenzene	12.77	156	166736	50.481	ug/l	96
78) n-propylbenzene	12.83	91	781935	52.138	ug/l	100
79) 2-Chlorotoluene	12.91	91	432406	50.467	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	569851	53.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	34453	49.159	ug/l	98
82) 4-Chlorotoluene	13.01	91	462888	51.184	ug/l	99
83) tert-Butylbenzene	13.23	119	491380	52.884	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	560204	53.476	ug/l	99
85) sec-Butylbenzene	13.41	105	682099	53.296	ug/l	100
86) p-Isopropyltoluene	13.52	119	631748	54.334	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	313415	51.108	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	322864	52.080	ug/l	98
89) n-Butylbenzene	13.85	91	588445	54.429	ug/l	99
90) Hexachloroethane	14.12	117	122754	50.999	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	278842	52.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16256	46.438	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205914	53.985	ug/l	99
94) Hexachlorobutadiene	15.27	225	128224	54.375	ug/l	99
95) Naphthalene	15.41	128	323914	47.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176304	53.169	ug/l	100

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

