

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066449.D
 Acq On : 27 Aug 2020 20:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:19:03 PM

Quant Time: Aug 28 02:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	146752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	211954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	205401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	110360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91484	63.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.18%	
35) Dibromofluoromethane	7.91	113	69509	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.34	98	259937	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.63	95	93600	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54116	43.376	ug/l	99
3) Chloromethane	2.20	50	35852	40.541	ug/l	97
4) Vinyl Chloride	2.34	62	43066	45.356	ug/l	99
5) Bromomethane	2.76	94	37612	52.959	ug/l	96
6) Chloroethane	2.91	64	30524	50.205	ug/l	100
7) Trichlorofluoromethane	3.27	101	130594	50.580	ug/l	100
8) Diethyl Ether	3.70	74	29938	51.751	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	55151	43.283	ug/l	94
10) Methyl Iodide	4.30	142	63364	43.600	ug/l	92
11) Tert butyl alcohol	5.22	59	28219	361.791	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	54460	45.532	ug/l	96
13) Acrolein	3.93	56	10655	166.772	ug/l	97
14) Allyl chloride	4.71	41	69774	43.705	ug/l #	82
15) Acrylonitrile	5.43	53	59072	254.502	ug/l	96
16) Acetone	4.16	43	53038	204.477	ug/l	94
17) Carbon Disulfide	4.40	76	160378	44.244	ug/l	100
18) Methyl Acetate	4.71	43	25132	51.624	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	168867	58.634	ug/l	99
20) Methylene Chloride	4.96	84	66868	47.988	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	66772	47.958	ug/l	97
22) Diisopropyl ether	6.36	45	144515	46.754	ug/l	94
23) Vinyl Acetate	6.30	43	473618	247.516	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	106164	48.603	ug/l	96
25) 2-Butanone	7.21	43	70438	239.207	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	112951	48.247	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	77413	51.891	ug/l	97
28) Bromochloromethane	7.54	49	40632	54.003	ug/l	91
29) Tetrahydrofuran	7.56	42	38854	232.308	ug/l #	87
30) Chloroform	7.71	83	142473	56.375	ug/l	97
31) Cyclohexane	7.98	56	71350	35.716	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	145736	56.345	ug/l	99
36) 1,1-Dichloropropene	8.11	75	89253	46.151	ug/l	99
37) Ethyl Acetate	7.29	43	31828	48.388	ug/l #	93
38) Carbon Tetrachloride	8.09	117	139562	55.390	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98373	43.181	ug/l	92
40) Benzene	8.34	78	256769	50.470	ug/l	95
41) Methacrylonitrile	7.54	41	22013m	54.269	ug/l	
42) 1,2-Dichloroethane	8.42	62	113395	63.283	ug/l	97
43) Isopropyl Acetate	8.45	43	66010	49.999	ug/l #	58
44) Trichloroethene	9.10	130	82222	49.737	ug/l	97
45) 1,2-Dichloropropane	9.38	63	51972	45.060	ug/l	90
46) Dibromomethane	9.47	93	39499	55.003	ug/l	96
47) Bromodichloromethane	9.66	83	115191	58.328	ug/l	98
48) Methyl methacrylate	9.45	41	35093	51.547	ug/l #	86
49) 1,4-Dioxane	9.46	88	9377	1124.537	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	162569	254.542	ug/l	99
52) Toluene	10.40	92	181621	52.692	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	98285	52.449	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	107669	51.188	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	49198	50.606	ug/l	96
56) Ethyl methacrylate	10.66	69	60467	53.729	ug/l #	91
57) 1,3-Dichloropropane	10.94	76	84552	52.580	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	118233	252.952	ug/l	91
59) 2-Hexanone	10.98	43	116206	257.950	ug/l	99
60) Dibromochloromethane	11.14	129	83421	56.927	ug/l	99
61) 1,2-Dibromoethane	11.24	107	48973	51.188	ug/l	98
64) Tetrachloroethene	10.87	164	76886	49.344	ug/l	98
65) Chlorobenzene	11.67	112	210641	51.546	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	89655	53.685	ug/l	98
67) Ethyl Benzene	11.74	91	354157	49.235	ug/l	95
68) m/p-Xylenes	11.85	106	275083	100.332	ug/l	96
69) o-Xylene	12.18	106	128372	50.330	ug/l	100
70) Styrene	12.20	104	227697	51.991	ug/l	97
71) Bromoform	12.36	173	51699	54.565	ug/l #	98
73) Isopropylbenzene	12.48	105	362086	48.977	ug/l	100
74) N-amyl acetate	12.29	43	61168	45.810	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	45090	42.695	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	35551m	45.790	ug/l	
77) Bromobenzene	12.76	156	96180	51.257	ug/l	96
78) n-propylbenzene	12.82	91	392920	46.353	ug/l	97
79) 2-Chlorotoluene	12.91	91	238140	49.188	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	316994	49.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16613	45.421	ug/l	88
82) 4-Chlorotoluene	13.00	91	252106	49.150	ug/l	99
83) tert-Butylbenzene	13.23	119	274438	49.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	323328	51.571	ug/l	98
85) sec-Butylbenzene	13.40	105	338378	46.582	ug/l	98
86) p-Isopropyltoluene	13.52	119	340571	48.622	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	173614	49.566	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175859	50.004	ug/l	99
89) n-Butylbenzene	13.84	91	276739	44.772	ug/l	99
90) Hexachloroethane	14.11	117	64714	46.770	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	161103	53.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12991	58.649	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119155	50.618	ug/l	99
94) Hexachlorobutadiene	15.27	225	70473	48.174	ug/l	98
95) Naphthalene	15.41	128	201953	54.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	107835	53.475	ug/l	98

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

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