

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066534.D
 Acq On : 02 Sep 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:29 PM

Quant Time: Sep 03 04:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	147237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	204450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	192511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93172	58.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.68%	
35) Dibromofluoromethane	7.91	113	68278	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	10.34	98	251825	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.63	95	91355	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55666	44.318	ug/l	90
3) Chloromethane	2.21	50	35817	47.432	ug/l	95
4) Vinyl Chloride	2.35	62	44034	47.819	ug/l	90
5) Bromomethane	2.76	94	38181	50.732	ug/l	96
6) Chloroethane	2.92	64	30639	49.455	ug/l	95
7) Trichlorofluoromethane	3.27	101	136125	48.495	ug/l	100
8) Diethyl Ether	3.71	74	27579	52.422	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	54827	46.902	ug/l	98
10) Methyl Iodide	4.30	142	64685	49.904	ug/l	99
11) Tert butyl alcohol	5.23	59	24477	287.705	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	55202	50.250	ug/l	96
13) Acrolein	3.93	56	11910	231.565	ug/l	98
14) Allyl chloride	4.71	41	63702	51.877	ug/l	96
15) Acrylonitrile	5.42	53	52311	277.274	ug/l	96
16) Acetone	4.16	43	56418	240.918	ug/l #	87
17) Carbon Disulfide	4.41	76	155196	48.887	ug/l	97
18) Methyl Acetate	4.71	43	21486	57.142	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	160730	56.075	ug/l	99
20) Methylene Chloride	4.96	84	65785	56.646	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	65182	51.875	ug/l	95
22) Diisopropyl ether	6.36	45	126938	51.579	ug/l	92
23) Vinyl Acetate	6.30	43	431611	272.790	ug/l	99
24) 1,1-Dichloroethane	6.27	63	100801	52.150	ug/l	98
25) 2-Butanone	7.21	43	63208	260.779	ug/l	96
26) 2,2-Dichloropropane	7.21	77	119524	48.802	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	70825	51.977	ug/l	97
28) Bromochloromethane	7.54	49	30806	55.090	ug/l	95
29) Tetrahydrofuran	7.56	42	33750	270.867	ug/l	93
30) Chloroform	7.70	83	132423	53.058	ug/l	99
31) Cyclohexane	7.98	56	68923	46.265	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	142019	51.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	87055	48.574	ug/l	98
37) Ethyl Acetate	7.28	43	26979	50.149	ug/l #	83
38) Carbon Tetrachloride	8.10	117	137988	50.541	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	95978	45.837	ug/l	99
40) Benzene	8.35	78	239935	51.898	ug/l	97
41) Methacrylonitrile	7.52	41	14639	52.301	ug/l #	90
42) 1,2-Dichloroethane	8.42	62	109194	55.830	ug/l	100
43) Isopropyl Acetate	8.44	43	61206	54.311	ug/l	97
44) Trichloroethene	9.11	130	81254	50.920	ug/l	93
45) 1,2-Dichloropropane	9.38	63	45649	49.764	ug/l	100
46) Dibromomethane	9.47	93	35326	52.603	ug/l	95
47) Bromodichloromethane	9.66	83	107104	53.660	ug/l	97
48) Methyl methacrylate	9.46	41	31076	54.110	ug/l	98
49) 1,4-Dioxane	9.46	88	8184	1052.814	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	144416	278.689	ug/l	98
52) Toluene	10.40	92	170008	51.698	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	97834	53.649	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	99599	51.844	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44307	52.212	ug/l	96
56) Ethyl methacrylate	10.66	69	54176	54.247	ug/l	92
57) 1,3-Dichloropropane	10.94	76	75785	54.078	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	100866	258.735	ug/l	99
59) 2-Hexanone	10.98	43	102019	272.593	ug/l	97
60) Dibromochloromethane	11.14	129	77567	55.277	ug/l	97
61) 1,2-Dibromoethane	11.24	107	45791	52.938	ug/l	97
64) Tetrachloroethene	10.87	164	74646	49.733	ug/l	95
65) Chlorobenzene	11.67	112	195560	51.633	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	83335	52.003	ug/l	98
67) Ethyl Benzene	11.74	91	336353	50.414	ug/l	94
68) m/p-Xylenes	11.85	106	268265	103.923	ug/l	98
69) o-Xylene	12.18	106	122332	50.030	ug/l	99
70) Styrene	12.20	104	216134	51.629	ug/l	100
71) Bromoform	12.36	173	47850	54.439	ug/l #	92
73) Isopropylbenzene	12.48	105	339584	48.571	ug/l	99
74) N-amyl acetate	12.29	43	56850	53.927	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	43364	52.488	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26403m	40.114	ug/l	
77) Bromobenzene	12.76	156	91155	51.378	ug/l	98
78) n-propylbenzene	12.82	91	372678	48.917	ug/l	99
79) 2-Chlorotoluene	12.91	91	223262	50.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	306519	50.427	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15678	53.044	ug/l	97
82) 4-Chlorotoluene	13.01	91	238471	50.366	ug/l	99
83) tert-Butylbenzene	13.23	119	259879	48.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	306338	50.390	ug/l	97
85) sec-Butylbenzene	13.40	105	321100	47.541	ug/l	100
86) p-Isopropyltoluene	13.52	119	327152	48.461	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	167437	50.884	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	164443	49.400	ug/l	98
89) n-Butylbenzene	13.85	91	270051	47.758	ug/l	98
90) Hexachloroethane	14.11	117	58603	48.374	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	145817	50.947	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11833	54.158	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114238	50.569	ug/l	97
94) Hexachlorobutadiene	15.27	225	68551	46.811	ug/l	97
95) Naphthalene	15.41	128	187115	53.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	99333	50.888	ug/l	99

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

