

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066515.D
 Acq On : 02 Sep 2020 11:22
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:10 PM

Quant Time: Sep 02 14:16:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	217948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	9659	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.91	113	7276	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	10.33	98	26623	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.63	95	9803	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	8324	5.686	ug/l	92
3) Chloromethane	2.21	50	5214	5.924	ug/l	89
4) Vinyl Chloride	2.35	62	5564	5.184	ug/l	97
5) Bromomethane	2.77	94	4746	5.410	ug/l	90
6) Chloroethane	2.92	64	3667	5.078	ug/l	92
7) Trichlorofluoromethane	3.26	101	17604	5.381	ug/l	93
8) Diethyl Ether	3.71	74	3450	5.626	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	4.10	101	7968	5.848	ug/l	90
10) Methyl Iodide	4.30	142	6345	4.200	ug/l #	91
11) Tert butyl alcohol	5.19	59	5462	40.624	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	6709	5.240	ug/l	85
13) Acrolein	3.92	56	1550	25.857	ug/l #	70
14) Allyl chloride	4.71	41	6626	4.630	ug/l #	19
15) Acrylonitrile	5.41	53	5074	23.075	ug/l #	85
16) Acetone	4.16	43	7370	27.002	ug/l	94
17) Carbon Disulfide	4.40	76	19594	5.296	ug/l	98
18) Methyl Acetate	4.72	43	2225	5.072	ug/l #	84
19) Methyl tert-butyl Ether	5.48	73	16314	4.883	ug/l	96
20) Methylene Chloride	4.97	84	11244	7.059	ug/l #	81
21) trans-1,2-Dichloroethene	5.47	96	7485	5.111	ug/l #	91
22) Diisopropyl ether	6.37	45	13836	4.824	ug/l #	88
23) Vinyl Acetate	6.30	43	41838	22.687	ug/l	95
24) 1,1-Dichloroethane	6.26	63	11563	5.133	ug/l	99
25) 2-Butanone	7.22	43	7849	27.784	ug/l	97
26) 2,2-Dichloropropane	7.20	77	15195	5.323	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	8228	5.181	ug/l	99
28) Bromochloromethane	7.54	49	3248	4.983	ug/l #	92
29) Tetrahydrofuran	7.57	42	3493	24.052	ug/l #	79
30) Chloroform	7.71	83	14832	5.099	ug/l #	81
31) Cyclohexane	7.98	56	13038	6.698	ug/l	82
32) 1,1,1-Trichloroethane	7.90	97	16611	5.127	ug/l	97
36) 1,1-Dichloropropene	8.11	75	10408	4.990	ug/l	96
37) Ethyl Acetate	7.29	43	2978	4.756	ug/l #	77
38) Carbon Tetrachloride	8.09	117	15475	4.870	ug/l	93

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	12465	5.115	ug/l	96
40) Benzene	8.34	78	27870	5.179	ug/l #	90
41) Methacrylonitrile	7.52	41	1604	4.499	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	11027	4.844	ug/l	100
43) Isopropyl Acetate	8.45	43	6359	4.848	ug/l	96
44) Trichloroethene	9.10	130	9700	5.223	ug/l	93
45) 1,2-Dichloropropane	9.38	63	5602	5.247	ug/l	90
46) Dibromomethane	9.47	93	4169	5.334	ug/l	94
47) Bromodichloromethane	9.66	83	11823	5.089	ug/l	99
48) Methyl methacrylate	9.46	41	3321	4.968	ug/l	90
49) 1,4-Dioxane	9.46	88	975m	106.664	ug/l	
51) 4-Methyl-2-Pentanone	10.23	43	14427	23.920	ug/l	97
52) Toluene	10.40	92	19738	5.157	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	9908	4.668	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	10493	4.693	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	4798	4.858	ug/l #	89
56) Ethyl methacrylate	10.65	69	5443	4.683	ug/l	96
57) 1,3-Dichloropropane	10.94	76	7392	4.532	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	11575	25.510	ug/l	96
59) 2-Hexanone	10.98	43	10562	24.247	ug/l	94
60) Dibromochloromethane	11.14	129	8194	5.017	ug/l	96
61) 1,2-Dibromoethane	11.24	107	5178	5.143	ug/l	100
64) Tetrachloroethene	10.87	164	8681	5.109	ug/l #	89
65) Chlorobenzene	11.67	112	21493	5.012	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	8995	4.958	ug/l	99
67) Ethyl Benzene	11.74	91	35725	4.730	ug/l	97
68) m/p-Xylenes	11.85	106	27869	9.536	ug/l	96
69) o-Xylene	12.18	106	14773	5.337	ug/l	82
70) Styrene	12.20	104	22942	4.841	ug/l	98
71) Bromoform	12.36	173	4763	4.786	ug/l #	97
73) Isopropylbenzene	12.48	105	37308	4.778	ug/l	98
74) N-amyl acetate	12.29	43	5031	4.273	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.73	83	4682	5.074	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	3518m	4.767	ug/l	
77) Bromobenzene	12.76	156	9815	4.953	ug/l	98
78) n-propylbenzene	12.83	91	41656	4.896	ug/l	99
79) 2-Chlorotoluene	12.91	91	24355	4.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	31731	4.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	1369	4.147	ug/l #	70
82) 4-Chlorotoluene	13.01	91	26931	5.093	ug/l	99
83) tert-Butylbenzene	13.23	119	31336	5.263	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	33209	4.891	ug/l	96
85) sec-Butylbenzene	13.40	105	37723	5.001	ug/l	99
86) p-Isopropyltoluene	13.52	119	36768	4.877	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	18404	5.008	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	18931	5.092	ug/l	89
89) n-Butylbenzene	13.84	91	30893	4.892	ug/l	99
90) Hexachloroethane	14.11	117	6479	4.789	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	16083	5.032	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1293	5.299	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	11982	4.749	ug/l	95
94) Hexachlorobutadiene	15.27	225	8351	5.106	ug/l	97
95) Naphthalene	15.40	128	17918	4.569	ug/l	95
96) 1,2,3-Trichlorobenzene	15.60	180	10717	4.916	ug/l	98

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

