

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062615.D
 Acq On : 5 Jun 2019 16:08
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:21:24 PM

Quant Time: Jun 06 05:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	883503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1154863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	1011307	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	528338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	862156	71.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.28%	
35) Dibromofluoromethane	6.95	113	855331	72.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.74%	
50) Toluene-d8	10.43	98	1881891	74.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.86%	
62) 4-Bromofluorobenzene	13.57	95	851412	71.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	630925	57.733	ug/l	92
3) Chloromethane	1.76	50	510012	59.778	ug/l	98
4) Vinyl Chloride	1.86	62	542052	64.786	ug/l	99
5) Bromomethane	2.16	94	265236	64.541	ug/l	98
6) Chloroethane	2.27	64	278143	65.870	ug/l	94
7) Trichlorofluoromethane	2.54	101	1229979	65.851	ug/l	99
8) Diethyl Ether	2.88	74	161624	66.585	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	712184	67.819	ug/l	99
10) Methyl Iodide	3.31	142	978013	72.766	ug/l	95
11) Tert butyl alcohol	4.10	59	175790	323.934	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	511268	66.435	ug/l	98
13) Acrolein	3.05	56	65194	339.711	ug/l	93
14) Allyl chloride	3.63	41	780071	66.508	ug/l	94
15) Acrylonitrile	4.21	53	388242	328.182	ug/l	95
16) Acetone	3.24	43	795788	365.400	ug/l	97
17) Carbon Disulfide	3.38	76	1567893	69.910	ug/l	97
18) Methyl Acetate	3.66	43	226717	58.542	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	1293902	69.337	ug/l	95
20) Methylene Chloride	3.83	84	529107	62.418	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	552310	65.832	ug/l	96
22) Diisopropyl ether	5.14	45	1678269	67.736	ug/l	99
23) Vinyl Acetate	5.08	43	5338994	354.210	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1044886	66.933	ug/l	97
25) 2-Butanone	6.10	43	732680	354.153	ug/l	93
26) 2,2-Dichloropropane	6.04	77	1124928	65.948	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	586266	64.834	ug/l	89
28) Bromochloromethane	6.46	49	429474	72.719	ug/l	91
29) Tetrahydrofuran	6.48	42	332086	345.787	ug/l	96
30) Chloroform	6.68	83	1334377	68.726	ug/l	98
31) Cyclohexane	6.98	56	696121	69.756	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	1323264	67.322	ug/l	95
36) 1,1-Dichloropropene	7.16	75	880640	70.924	ug/l	98
37) Ethyl Acetate	6.21	43	355590	70.967	ug/l	99
38) Carbon Tetrachloride	7.13	117	1369496m	72.764	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	764161	71.982	ug/l	95
40) Benzene	7.48	78	1704090	69.488	ug/l	100
41) Methacrylonitrile	6.46	41	471185	72.616	ug/l	98
42) 1,2-Dichloroethane	7.61	62	987833	68.434	ug/l	100
43) Isopropyl Acetate	9.26	43	512283	74.385	ug/l #	95
44) Trichloroethene	8.56	130	709470	71.340	ug/l	92
45) 1,2-Dichloropropane	8.97	63	424650	69.152	ug/l	100
46) Dibromomethane	9.08	93	383025	71.695	ug/l	97
47) Bromodichloromethane	9.40	83	1035286	71.947	ug/l	94
48) Methyl methacrylate	9.14	41	325844	69.571	ug/l	96
49) 1,4-Dioxane	9.10	88	55619	1496.314	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	1627284	362.884	ug/l	98
52) Toluene	10.53	92	1196434	73.555	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	892438	74.694	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	891339	73.259	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	399144	71.525	ug/l	96
56) Ethyl methacrylate	11.06	69	438626	70.525	ug/l	90
57) 1,3-Dichloropropane	11.44	76	623273	71.536	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.88	63	1033958	324.136	ug/l	97
59) 2-Hexanone	11.55	43	1263970	371.733	ug/l	99
60) Dibromochloromethane	11.71	129	785275	72.015	ug/l	93
61) 1,2-Dibromoethane	11.83	107	501057	73.309	ug/l	96
64) Tetrachloroethene	11.28	164	628347	68.797	ug/l	95
65) Chlorobenzene	12.42	112	1507096	71.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	659714	65.308	ug/l	99
67) Ethyl Benzene	12.55	91	2352236	61.931	ug/l	99
68) m/p-Xylenes	12.70	106	1894404	142.991	ug/l	98
69) o-Xylene	13.07	106	869755	68.135	ug/l	98
70) Styrene	13.09	104	1507973	70.319	ug/l	96
71) Bromoform	13.26	173	484556	69.452	ug/l	99
73) Isopropylbenzene	13.42	105	2519927	68.594	ug/l	98
74) N-amyl acetate	13.29	43	709884	74.836	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	446254	72.464	ug/l	98
76) 1,2,3-Trichloropropane	13.76	75	505992	73.418	ug/l	96
77) Bromobenzene	13.69	156	711332	69.613	ug/l	94
78) n-propylbenzene	13.80	91	2948025	69.194	ug/l	97
79) 2-Chlorotoluene	13.86	91	1824613	70.640	ug/l	95
80) 1,3,5-Trimethylbenzene	13.96	105	2231791	70.589	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.49	75	135962	76.747	ug/l	95
82) 4-Chlorotoluene	13.97	91	2130496	70.093	ug/l	93
83) tert-Butylbenzene	14.21	119	2432148	69.862	ug/l	94
84) 1,2,4-Trimethylbenzene	14.26	105	2262453	69.912	ug/l	96
85) sec-Butylbenzene	14.39	105	2611121	72.791	ug/l	98
86) p-Isopropyltoluene	14.51	119	2304094	66.810	ug/l	96
87) 1,3-Dichlorobenzene	14.48	146	1203848	70.195	ug/l	95
88) 1,4-Dichlorobenzene	14.56	146	1222039	70.358	ug/l	98
89) n-Butylbenzene	14.82	91	2138524	66.689	ug/l	97
90) Hexachloroethane	15.03	117	664617	73.222	ug/l	92
91) 1,2-Dichlorobenzene	14.83	146	1035171	65.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	89221	70.825	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	818753	71.957	ug/l	98
94) Hexachlorobutadiene	16.06	225	644944	75.567	ug/l	98
95) Naphthalene	16.14	128	1167190	71.635	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	617914	71.019	ug/l	99

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

