

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060972.D
 Acq On : 7 Mar 2019 16:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:33 PM

Quant Time: Mar 08 02:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	725670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1239061	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1008369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	457348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	446120	74.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.84%	
35) Dibromofluoromethane	6.92	113	701909	71.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.18%	
50) Toluene-d8	10.40	98	1692748	68.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.32%	
62) 4-Bromofluorobenzene	13.55	95	676880	73.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	479227	60.248	ug/l	99
3) Chloromethane	1.76	50	401396	61.002	ug/l	98
4) Vinyl Chloride	1.86	62	387760	64.843	ug/l	97
5) Bromomethane	2.15	94	64921	62.306	ug/l	97
6) Chloroethane	2.26	64	117326	78.756	ug/l	91
7) Trichlorofluoromethane	2.53	101	550662	74.531	ug/l	98
8) Diethyl Ether	2.87	74	200420	64.086	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	638740	66.752	ug/l	98
10) Methyl Iodide	3.31	142	921083	81.308	ug/l	99
11) Tert butyl alcohol	4.05	59	146266m	332.208	ug/l	
12) 1,1-Dichloroethene	3.13	96	540034	66.547	ug/l	98
13) Acrolein	3.04	56	216779	359.432	ug/l	94
14) Allyl chloride	3.62	41	852139	63.474	ug/l	100
15) Acrylonitrile	4.19	53	501670	302.101	ug/l	97
16) Acetone	3.21	43	627454	320.303	ug/l	100
17) Carbon Disulfide	3.37	76	1807740	62.719	ug/l	100
18) Methyl Acetate	3.64	43	256508	63.743	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	928910	64.352	ug/l	97
20) Methylene Chloride	3.82	84	577183	52.815	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	575910	64.569	ug/l	95
22) Diisopropyl ether	5.11	45	1789676	63.296	ug/l	99
23) Vinyl Acetate	5.06	43	4442984	299.859	ug/l	99
24) 1,1-Dichloroethane	4.98	63	944084	62.093	ug/l	98
25) 2-Butanone	6.06	43	733306	304.422	ug/l	99
26) 2,2-Dichloropropane	6.02	77	701366	62.075	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	588953	58.619	ug/l	97
28) Bromochloromethane	6.43	49	449290	71.112	ug/l	99
29) Tetrahydrofuran	6.44	42	407941	323.778	ug/l	99
30) Chloroform	6.66	83	943755	64.149	ug/l	99
31) Cyclohexane	6.96	56	747095	57.905	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	850225	67.190	ug/l	98
36) 1,1-Dichloropropene	7.14	75	733137	64.529	ug/l	98
37) Ethyl Acetate	6.17	43	364162	62.736	ug/l	97
38) Carbon Tetrachloride	7.10	117	809249m	65.719	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	811274	65.519	ug/l	97
40) Benzene	7.45	78	1852928	63.204	ug/l	100
41) Methacrylonitrile	6.43	41	433639	104.220	ug/l	98
42) 1,2-Dichloroethane	7.58	62	556409	67.048	ug/l	98
43) Isopropyl Acetate	9.23	43	544620	67.422	ug/l	99
44) Trichloroethene	8.53	130	682528	68.613	ug/l	97
45) 1,2-Dichloropropane	8.93	63	489734	63.573	ug/l	99
46) Dibromomethane	9.05	93	312424	63.391	ug/l	97
47) Bromodichloromethane	9.37	83	717264	65.572	ug/l	99
48) Methyl methacrylate	9.11	41	291346	63.795	ug/l	98
49) 1,4-Dioxane	9.07	88	60536	1291.525	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1527800	309.764	ug/l	96
52) Toluene	10.50	92	1157392	62.032	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	662183	66.629	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	785298	64.421	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	398172	64.543	ug/l	97
56) Ethyl methacrylate	11.03	69	424445	65.545	ug/l	98
57) 1,3-Dichloropropane	11.40	76	552499	61.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	1139518	328.657	ug/l	99
59) 2-Hexanone	11.52	43	1107149	319.897	ug/l	97
60) Dibromochloromethane	11.68	129	574916	64.504	ug/l	99
61) 1,2-Dibromoethane	11.80	107	461265	63.632	ug/l	97
64) Tetrachloroethene	11.25	164	505954	66.366	ug/l	99
65) Chlorobenzene	12.39	112	1345513	60.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	494376	61.886	ug/l	99
67) Ethyl Benzene	12.52	91	1965154	60.822	ug/l	99
68) m/p-Xylenes	12.67	106	1428540	110.252	ug/l	97
69) o-Xylene	13.04	106	777652	64.538	ug/l	96
70) Styrene	13.07	104	1246287	61.968	ug/l	98
71) Bromoform	13.23	173	340043	67.637	ug/l	98
73) Isopropylbenzene	13.39	105	2083688	59.611	ug/l	99
74) N-amyl acetate	13.26	43	671764	63.575	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	451255	62.210	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	458688	62.219	ug/l	100
77) Bromobenzene	13.67	156	575366	62.637	ug/l	96
78) n-propylbenzene	13.77	91	2555970	62.642	ug/l	97
79) 2-Chlorotoluene	13.84	91	1332139	58.329	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1568926	58.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	145275	66.848	ug/l	95
82) 4-Chlorotoluene	13.95	91	1360896	53.058	ug/l	98
83) tert-Butylbenzene	14.18	119	1657237m	55.121	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	1568926	58.091	ug/l	100
85) sec-Butylbenzene	14.36	105	2070393	59.011	ug/l	96
86) p-Isopropyltoluene	14.49	119	1735926	60.057	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1037113	66.425	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	994272	64.353	ug/l	99
89) n-Butylbenzene	14.79	91	1539555	56.911	ug/l	98
90) Hexachloroethane	15.00	117	531090	63.728	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	813900	59.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	55903	65.606	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	388006	50.516	ug/l	98
94) Hexachlorobutadiene	16.03	225	314772	64.110	ug/l	99
95) Naphthalene	16.12	128	608229	51.250	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	214202	51.410	ug/l	99

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

