

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062410.D
 Acq On : 16 May 2019 11:29
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 3:12:06 PM

Quant Time: May 17 02:32:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	700451	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	983746	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	782231	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	450878	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	290210	44.58	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.16%	
35) Dibromofluoromethane	6.93	113	344071	42.15	ug/l	0.03
Spiked Amount	50.000		Recovery	=	84.30%	
50) Toluene-d8	10.42	98	701986	35.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	71.34%	
62) 4-Bromofluorobenzene	13.56	95	335107	42.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	310538	46.354	ug/l	99
3) Chloromethane	1.75	50	192792	39.827	ug/l	97
4) Vinyl Chloride	1.85	62	210338	44.213	ug/l	99
5) Bromomethane	2.14	94	81678	73.272	ug/l	99
6) Chloroethane	2.26	64	115636	57.927	ug/l	99
7) Trichlorofluoromethane	2.53	101	539656	58.348	ug/l	98
8) Diethyl Ether	2.87	74	70481	39.513	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.15	101	329200	47.052	ug/l	96
10) Methyl Iodide	3.31	142	432547	40.905	ug/l #	88
11) Tert butyl alcohol	4.06	59	85514	257.364	ug/l	97
12) 1,1-Dichloroethene	3.13	96	252329	47.245	ug/l	89
13) Acrolein	3.04	56	67831	197.374	ug/l	91
14) Allyl chloride	3.62	41	383099	49.334	ug/l #	81
15) Acrylonitrile	4.19	53	207704	237.824	ug/l #	85
16) Acetone	3.22	43	404019	295.966	ug/l #	80
17) Carbon Disulfide	3.37	76	632688	41.180	ug/l	98
18) Methyl Acetate	3.64	43	119833	49.077	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	576577	50.366	ug/l	95
20) Methylene Chloride	3.82	84	263342	46.202	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	293789	49.434	ug/l	93
22) Diisopropyl ether	5.12	45	812595	49.174	ug/l	88
23) Vinyl Acetate	5.06	43	2362791	271.003	ug/l	96
24) 1,1-Dichloroethane	4.98	63	492816	49.436	ug/l	98
25) 2-Butanone	6.07	43	401743	269.811	ug/l	98
26) 2,2-Dichloropropane	6.03	77	556230	56.014	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	319249	47.991	ug/l	96
28) Bromochloromethane	6.44	49	231018	58.902	ug/l	93
29) Tetrahydrofuran	6.45	42	166030	242.004	ug/l	95
30) Chloroform	6.67	83	640116	53.280	ug/l	97
31) Cyclohexane	6.96	56	310390	45.447	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	628688	55.363	ug/l	98
36) 1,1-Dichloropropene	7.15	75	425715	52.780	ug/l	94
37) Ethyl Acetate	6.19	43	174222	50.933	ug/l #	91
38) Carbon Tetrachloride	7.11	117	626445m	56.114	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	349230	45.190	ug/l	93
40) Benzene	7.46	78	837328	45.973	ug/l	97
41) Methacrylonitrile	6.45	41	218881	52.362	ug/l #	84
42) 1,2-Dichloroethane	7.58	62	410897	53.247	ug/l	92
43) Isopropyl Acetate	9.24	43	249682	51.468	ug/l #	97
44) Trichloroethene	8.54	130	323013	46.541	ug/l	85
45) 1,2-Dichloropropane	8.94	63	211622	46.974	ug/l	98
46) Dibromomethane	9.06	93	189577	51.747	ug/l	96
47) Bromodichloromethane	9.38	83	478615	53.411	ug/l	99
48) Methyl methacrylate	9.12	41	147480	49.356	ug/l #	84
49) 1,4-Dioxane	9.08	88	29778	923.625	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	781708	250.679	ug/l	93
52) Toluene	10.52	92	574252	48.458	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	413891	53.441	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	448851	53.124	ug/l #	87
55) 1,1,2-Trichloroethane	11.20	97	202969	48.407	ug/l	93
56) Ethyl methacrylate	11.05	69	211034	48.434	ug/l #	85
57) 1,3-Dichloropropane	11.41	76	300240	47.397	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	637485	267.850	ug/l	95
59) 2-Hexanone	11.54	43	570380	248.169	ug/l	95
60) Dibromochloromethane	11.69	129	379294	52.343	ug/l	97
61) 1,2-Dibromoethane	11.81	107	251314	49.300	ug/l	94
64) Tetrachloroethene	11.27	164	296561	48.484	ug/l	95
65) Chlorobenzene	12.41	112	692525	47.533	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	334210	52.708	ug/l	95
67) Ethyl Benzene	12.53	91	1275039	52.275	ug/l	95
68) m/p-Xylenes	12.67	106	810854	91.373	ug/l	89
69) o-Xylene	13.06	106	399584	48.434	ug/l	89
70) Styrene	13.08	104	716623	51.276	ug/l	96
71) Bromoform	13.23	173	233339	52.893	ug/l	97
73) Isopropylbenzene	13.41	105	1280151	47.366	ug/l	97
74) N-amyl acetate	13.26	43	298619	42.143	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	217301	42.470	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	252821	47.183	ug/l	94
77) Bromobenzene	13.68	156	361437	47.772	ug/l	93
78) n-propylbenzene	13.78	91	1537451	47.687	ug/l	95
79) 2-Chlorotoluene	13.84	91	880495	47.686	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1077172	47.330	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	68737	45.440	ug/l #	75
82) 4-Chlorotoluene	13.95	91	1007480	46.367	ug/l	90
83) tert-Butylbenzene	14.19	119	1273924	49.800	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	1118418	48.970	ug/l	91
85) sec-Butylbenzene	14.38	105	1335507	47.617	ug/l	99
86) p-Isopropyltoluene	14.49	119	1207661	48.194	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	624422	45.179	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	646302	47.592	ug/l	97
89) n-Butylbenzene	14.80	91	1136426	50.526	ug/l	93
90) Hexachloroethane	15.02	117	320122	46.976	ug/l	65
91) 1,2-Dichlorobenzene	14.81	146	542895	47.696	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	42033	50.046	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	435937	52.618	ug/l	97
94) Hexachlorobutadiene	16.04	225	334007	54.204	ug/l	99
95) Naphthalene	16.13	128	506907	43.825	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	340262	65.322	ug/l	96

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

