

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062873.D
 Acq On : 5 Jun 2019 18:54
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:13 AM

Quant Time: Jun 06 08:32:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	677202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1173688	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	928953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	467735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	226328	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	4.34	113	449280	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	7.73	98	1118715	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.50	95	414056	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	412154	54.146	ug/l	100
3) Chloromethane	1.16	50	347424	49.582	ug/l	99
4) Vinyl Chloride	1.21	62	339687	48.784	ug/l	99
5) Bromomethane	1.42	94	227548	57.301	ug/l	92
6) Chloroethane	1.47	64	157553	60.517	ug/l	98
7) Trichlorofluoromethane	1.58	101	598121m	60.677	ug/l	
8) Diethyl Ether	1.73	74	106708	55.021	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.93	101	375033	60.514	ug/l	95
10) Methyl Iodide	2.01	142	714903m	57.531	ug/l	
11) Tert butyl alcohol	2.71	59	71656	252.590	ug/l	96
12) 1,1-Dichloroethene	1.89	96	320059	56.873	ug/l	94
13) Acrolein	2.11	56	27473	242.159	ug/l	94
14) Allyl chloride	2.21	41	223585	51.212	ug/l	94
15) Acrylonitrile	3.11	53	353183	331.325	ug/l	96
16) Acetone	2.37	43	264383	246.670	ug/l #	86
17) Carbon Disulfide	1.93	76	909945m	55.323	ug/l	
18) Methyl Acetate	2.47	43	87240	46.578	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	563447	55.263	ug/l	99
20) Methylene Chloride	2.37	84	319655m	60.164	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	328606	58.238	ug/l	97
22) Diisopropyl ether	2.96	45	619513	49.946	ug/l	93
23) Vinyl Acetate	3.37	43	2302521	271.149	ug/l	100
24) 1,1-Dichloroethane	3.04	63	566954	61.218	ug/l	99
25) 2-Butanone	4.54	43	638230	255.701	ug/l	98
26) 2,2-Dichloropropane	3.80	77	301851	57.402	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	502418	52.971	ug/l	94
28) Bromochloromethane	3.92	49	296535	58.864	ug/l	97
29) Tetrahydrofuran	4.29	42	255970	268.129	ug/l	99
30) Chloroform	4.08	83	713689	54.679	ug/l	98
31) Cyclohexane	3.90	56	660198m	52.654	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	472138	62.128	ug/l	99
36) 1,1-Dichloropropene	4.50	75	570897	52.837	ug/l	97
37) Ethyl Acetate	4.32	43	210086	50.864	ug/l #	72
38) Carbon Tetrachloride	4.21	117	423268	57.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	717233	53.335	ug/l	96
40) Benzene	4.85	78	1656195	52.668	ug/l	97
41) Methacrylonitrile	4.96	41	113220	49.309	ug/l	93
42) 1,2-Dichloroethane	5.16	62	327604	54.776	ug/l	97
43) Isopropyl Acetate	7.14	43	253158	46.398	ug/l #	98
44) Trichloroethene	5.71	130	479853	54.069	ug/l	95
45) 1,2-Dichloropropane	6.43	63	428096	54.249	ug/l	99
46) Dibromomethane	6.28	93	242812	52.702	ug/l	96
47) Bromodichloromethane	6.58	83	507504	54.088	ug/l	96
48) Methyl methacrylate	6.90	41	128017	45.526	ug/l	96
49) 1,4-Dioxane	6.89	88	35416	955.526	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	1015360	260.656	ug/l	98
52) Toluene	7.80	92	898053	53.022	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	420289	54.055	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	605966	53.841	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	278166	54.974	ug/l	96
56) Ethyl methacrylate	8.77	69	265169	48.841	ug/l	91
57) 1,3-Dichloropropane	9.02	76	467300	56.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	513351	270.548	ug/l	94
59) 2-Hexanone	9.64	43	720083	259.348	ug/l	99
60) Dibromochloromethane	8.88	129	360104	57.483	ug/l	97
61) 1,2-Dibromoethane	9.15	107	288541	54.907	ug/l	97
64) Tetrachloroethene	8.33	164	363025	50.855	ug/l	98
65) Chlorobenzene	9.96	112	956433	53.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	376568	52.707	ug/l	97
67) Ethyl Benzene	10.05	91	1601483	52.022	ug/l	100
68) m/p-Xylenes	10.28	106	1216535	103.269	ug/l	95
69) o-Xylene	10.83	106	653007	54.750	ug/l	100
70) Styrene	10.90	104	996057	56.659	ug/l	98
71) Bromoform	10.89	173	199523	58.215	ug/l	100
73) Isopropylbenzene	11.23	105	1693051	51.876	ug/l	99
74) N-amyl acetate	11.45	43	433423	47.119	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	364152	52.248	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235560	50.988	ug/l	92
77) Bromobenzene	11.59	156	408850	49.858	ug/l	86
78) n-propylbenzene	11.68	91	2042790	51.839	ug/l	94
79) 2-Chlorotoluene	11.81	91	1139601	50.541	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1352145	50.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	98464m	50.342	ug/l	
82) 4-Chlorotoluene	11.99	91	1133976	51.174	ug/l	98
83) tert-Butylbenzene	12.20	119	1411162	53.359	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1319658	52.149	ug/l	100
85) sec-Butylbenzene	12.37	105	1122739	32.218	ug/l	94
86) p-Isopropyltoluene	12.53	119	1515385	52.244	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	751248	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	709669	52.581	ug/l	96
89) n-Butylbenzene	12.90	91	1468308	50.322	ug/l	94
90) Hexachloroethane	12.98	117	378642	53.522	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	639711	50.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	38441	50.626	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	426719	48.892	ug/l	95
94) Hexachlorobutadiene	14.23	225	297791	49.320	ug/l	98
95) Naphthalene	14.50	128	713508	49.900	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	391811	49.180	ug/l	96

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

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