

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062495.D
 Acq On : 12 May 2019 10:45
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:48 PM

Quant Time: May 13 05:06:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	344064	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	398348	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	366192	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	231506	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	167484	51.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	4.32	113	183544	57.84	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.68%	
50) Toluene-d8	7.72	98	446079	58.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.14%	
62) 4-Bromofluorobenzene	11.50	95	194445	56.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	170768	42.885	ug/l	96
3) Chloromethane	1.15	50	109465	41.681	ug/l	99
4) Vinyl Chloride	1.20	62	113640	43.382	ug/l	96
5) Bromomethane	1.39	94	99486	50.350	ug/l	100
6) Chloroethane	1.45	64	60657	46.057	ug/l	97
7) Trichlorofluoromethane	1.55	101	272883	50.208	ug/l	95
8) Diethyl Ether	1.71	74	36382	44.240	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	153643	49.515	ug/l	98
10) Methyl Iodide	1.99	142	254527	49.776	ug/l	99
11) Tert butyl alcohol	2.70	59	35915	195.436	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	120151	45.548	ug/l	96
13) Acrolein	2.11	56	29646	262.002	ug/l	96
14) Allyl chloride	2.20	41	175913	75.492	ug/l	98
15) Acrylonitrile	3.10	53	84719	243.372	ug/l	94
16) Acetone	2.35	43	195553	297.300	ug/l	99
17) Carbon Disulfide	1.92	76	251972	43.808	ug/l	98
18) Methyl Acetate	2.47	43	52114	43.007	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	263324	48.358	ug/l	96
20) Methylene Chloride	2.29	84	111061m	46.668	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	119244	47.446	ug/l	93
22) Diisopropyl ether	2.94	45	348160	47.805	ug/l	97
23) Vinyl Acetate	3.35	43	752086	231.703	ug/l	99
24) 1,1-Dichloroethane	3.02	63	226277	51.408	ug/l	99
25) 2-Butanone	4.53	43	202781	245.389	ug/l	97
26) 2,2-Dichloropropane	3.78	77	148152	60.272	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	154491	49.176	ug/l	99
28) Bromochloromethane	3.92	49	100208	50.199	ug/l	92
29) Tetrahydrofuran	4.28	42	71410	188.023	ug/l	99
30) Chloroform	4.07	83	292647	49.213	ug/l	94
31) Cyclohexane	3.89	56	155449	44.246	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	261529	51.315	ug/l	98
36) 1,1-Dichloropropene	4.48	75	186644	54.543	ug/l	99
37) Ethyl Acetate	4.31	43	69392	52.320	ug/l #	97
38) Carbon Tetrachloride	4.20	117	225578m	64.352	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	166512	48.519	ug/l	99
40) Benzene	4.84	78	428373	56.848	ug/l	95
41) Methacrylonitrile	4.94	41	36266	44.199	ug/l #	89
42) 1,2-Dichloroethane	5.14	62	173812	55.151	ug/l	99
43) Isopropyl Acetate	7.12	43	71436	45.896	ug/l #	98
44) Trichloroethene	5.69	130	148291	53.572	ug/l	99
45) 1,2-Dichloropropane	6.42	63	96580	56.586	ug/l	99
46) Dibromomethane	6.28	93	77119	54.496	ug/l	99
47) Bromodichloromethane	6.56	83	208518	58.936	ug/l	94
48) Methyl methacrylate	6.89	41	52582	47.804	ug/l	97
49) 1,4-Dioxane	6.89	88	11235	993.041	ug/l	88
51) 4-Methyl-2-Pentanone	8.41	43	307584	260.795	ug/l	100
52) Toluene	7.79	92	265348	57.081	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	141449	52.859	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	175952	56.498	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	79335	53.761	ug/l	97
56) Ethyl methacrylate	8.77	69	75936	48.747	ug/l	98
57) 1,3-Dichloropropane	9.01	76	118105	52.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	88902	189.827	ug/l	99
59) 2-Hexanone	9.63	43	234452	287.431	ug/l	96
60) Dibromochloromethane	8.87	129	136988	56.758	ug/l	99
61) 1,2-Dibromoethane	9.14	107	89347	51.514	ug/l	98
64) Tetrachloroethene	8.32	164	138935	46.734	ug/l	95
65) Chlorobenzene	9.94	112	322104	53.162	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	164926	53.959	ug/l	98
67) Ethyl Benzene	10.04	91	543135	51.193	ug/l	98
68) m/p-Xylenes	10.27	106	413506	105.633	ug/l	99
69) o-Xylene	10.83	106	237565	56.162	ug/l	98
70) Styrene	10.90	104	331926	52.358	ug/l	98
71) Bromoform	10.89	173	86939	51.919	ug/l #	99
73) Isopropylbenzene	11.22	105	706181	51.454	ug/l	99
74) N-amyl acetate	11.45	43	134406	45.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	108152	50.328	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	77964	47.554	ug/l #	100
77) Bromobenzene	11.59	156	182259	50.600	ug/l	98
78) n-propylbenzene	11.68	91	736657	50.415	ug/l	99
79) 2-Chlorotoluene	11.81	91	458198	50.429	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	591932	49.207	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	26864m	43.592	ug/l	
82) 4-Chlorotoluene	11.98	91	455708	50.781	ug/l	100
83) tert-Butylbenzene	12.20	119	627255	49.615	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	572918	48.667	ug/l	98
85) sec-Butylbenzene	12.38	105	779907	50.682	ug/l	98
86) p-Isopropyltoluene	12.53	119	711877	49.792	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	327451	49.776	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	318499	50.163	ug/l	99
89) n-Butylbenzene	12.90	91	651482	51.218	ug/l	97
90) Hexachloroethane	12.98	117	174008	48.745	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	320729	50.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	22369	46.464	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	284608	49.833	ug/l	99
94) Hexachlorobutadiene	14.23	225	214507	50.392	ug/l	96
95) Naphthalene	14.50	128	427512	49.790	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	272934	49.328	ug/l	98

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

