

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062010.D
 Acq On : 19 Mar 2019 11:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:53:55 PM

Quant Time: Mar 22 05:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	284089	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	402198	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	345114	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	186966	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	97723	47.79	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	4.08	113	132573	49.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	7.52	98	383820	48.61	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.39	95	151820	48.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	148515	49.039	ug/l	98
3) Chloromethane	1.09	50	156268	50.776	ug/l	93
4) Vinyl Chloride	1.13	62	146214	49.122	ug/l	99
5) Bromomethane	1.33	94	110454	52.824	ug/l	98
6) Chloroethane	1.38	64	75724	49.281	ug/l	93
7) Trichlorofluoromethane	1.48	101	197682	50.130	ug/l	90
8) Diethyl Ether	1.61	74	44719	51.012	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.82	101	134501	48.411	ug/l	97
10) Methyl Iodide	1.89	142	250476m	51.496	ug/l	
11) Tert butyl alcohol	2.55	59	33082	264.372	ug/l #	94
12) 1,1-Dichloroethene	1.77	96	115994	48.377	ug/l	97
13) Acrolein	1.99	56	26917	199.258	ug/l	87
14) Allyl chloride	2.08	41	159058	51.969	ug/l	95
15) Acrylonitrile	2.92	53	97584	256.444	ug/l	98
16) Acetone	2.23	43	136416	297.067	ug/l	98
17) Carbon Disulfide	1.80	76	341504m	49.272	ug/l	
18) Methyl Acetate	2.33	43	53982	51.874	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	207892	47.850	ug/l	100
20) Methylene Chloride	2.17	84	117651m	49.104	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	118749	47.458	ug/l	97
22) Diisopropyl ether	2.78	45	364071	49.453	ug/l	98
23) Vinyl Acetate	3.16	43	725135	249.861	ug/l	97
24) 1,1-Dichloroethane	2.85	63	218671	51.083	ug/l	98
25) 2-Butanone	4.31	43	223429	245.675	ug/l	95
26) 2,2-Dichloropropane	3.57	77	101003	50.023	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	155087	49.175	ug/l	96
28) Bromochloromethane	3.70	49	86445	48.668	ug/l	88
29) Tetrahydrofuran	4.04	42	94348	238.545	ug/l	98
30) Chloroform	3.83	83	236275	48.715	ug/l	92
31) Cyclohexane	3.67	56	196523	46.472	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	165320	51.325	ug/l	99
36) 1,1-Dichloropropene	4.25	75	189630	52.210	ug/l	97
37) Ethyl Acetate	4.08	43	79805	48.935	ug/l	94
38) Carbon Tetrachloride	3.96	117	147304	55.494	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	227052	53.249	ug/l	93
40) Benzene	4.60	78	502743	52.238	ug/l	99
41) Methacrylonitrile	4.71	41	44057	50.564	ug/l	95
42) 1,2-Dichloroethane	4.91	62	126750	52.905	ug/l	98
43) Isopropyl Acetate	6.93	43	95998	49.752	ug/l	91
44) Trichloroethene	5.47	130	156520	53.090	ug/l	93
45) 1,2-Dichloropropane	6.21	63	120215	52.781	ug/l	99
46) Dibromomethane	6.05	93	78466	57.913	ug/l	97
47) Bromodichloromethane	6.36	83	175798	55.035	ug/l	99
48) Methyl methacrylate	6.68	41	65383	52.431	ug/l #	90
49) 1,4-Dioxane	6.68	88	12954	1167.824	ug/l #	74
51) 4-Methyl-2-Pentanone	8.23	43	367101	267.922	ug/l	97
52) Toluene	7.59	92	279520	47.535	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	142195	52.728	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	189464	53.844	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	87499	53.314	ug/l	98
56) Ethyl methacrylate	8.60	69	102319	54.844	ug/l	93
57) 1,3-Dichloropropane	8.82	76	141463	51.673	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	70952	209.968	ug/l	97
59) 2-Hexanone	9.46	43	269077	271.354	ug/l	99
60) Dibromochloromethane	8.69	129	126838	55.670	ug/l	97
61) 1,2-Dibromoethane	8.95	107	97361	55.305	ug/l	98
64) Tetrachloroethene	8.12	164	134699	53.695	ug/l	98
65) Chlorobenzene	9.77	112	330021	51.362	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.90	131	137418	55.174	ug/l	100
67) Ethyl Benzene	9.87	91	576340	52.386	ug/l	99
68) m/p-Xylenes	10.11	106	440804	106.530	ug/l	98
69) o-Xylene	10.69	106	233364	52.707	ug/l	100
70) Styrene	10.77	104	334595	54.548	ug/l	97
71) Bromoform	10.75	173	74212	58.909	ug/l	97
73) Isopropylbenzene	11.10	105	685456	53.067	ug/l	99
74) N-amyl acetate	11.35	43	158932	53.699	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	114370	53.643	ug/l	91
76) 1,2,3-Trichloropropane	11.77	75	80215	53.805	ug/l	98
77) Bromobenzene	11.48	156	161149	53.873	ug/l	97
78) n-propylbenzene	11.57	91	750552	50.534	ug/l	98
79) 2-Chlorotoluene	11.69	91	425025	50.698	ug/l	94
80) 1,3,5-Trimethylbenzene	11.80	105	531569	50.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	39757m	60.280	ug/l	
82) 4-Chlorotoluene	11.88	91	431409	50.887	ug/l	98
83) tert-Butylbenzene	12.11	119	566765	51.940	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	541221	51.786	ug/l	99
85) sec-Butylbenzene	12.28	105	761049	51.621	ug/l	97
86) p-Isopropyltoluene	12.44	119	622964	50.639	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	296601	50.450	ug/l	99
88) 1,4-Dichlorobenzene	12.54	146	292715	51.729	ug/l	99
89) n-Butylbenzene	12.83	91	618420	53.497	ug/l	99
90) Hexachloroethane	12.90	117	157766	56.195	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	285041	52.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18415	53.824	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	204629	53.966	ug/l	94
94) Hexachlorobutadiene	14.17	225	132036	52.452	ug/l	96
95) Naphthalene	14.43	128	375658	55.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	192826	55.275	ug/l	98

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

