

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062393.D
 Acq On : 9 May 2019 12:41
 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
 5/10/2019 11:03:31 AM

Quant Time: May 10 02:17:27 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	5.04	168	311612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	390807	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	340124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	162791	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	4.30	113	176923	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
50) Toluene-d8	7.70	98	420969	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	11.48	95	183199	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	157360	43.634	ug/l	100
3) Chloromethane	1.14	50	103200	43.388	ug/l	99
4) Vinyl Chloride	1.19	62	107753	45.418	ug/l	94
5) Bromomethane	1.40	94	94604	52.997	ug/l	92
6) Chloroethane	1.45	64	57427	48.146	ug/l	100
7) Trichlorofluoromethane	1.56	101	262212	53.269	ug/l	96
8) Diethyl Ether	1.70	74	35344	47.454	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	140736	50.079	ug/l	98
10) Methyl Iodide	1.98	142	236577	51.084	ug/l	99
11) Tert butyl alcohol	2.68	59	36034	216.504	ug/l	96
12) 1,1-Dichloroethene	1.87	96	114631	47.981	ug/l	90
13) Acrolein	2.10	56	19324	182.101	ug/l	99
14) Allyl chloride	2.20	41	166613	78.948	ug/l	98
15) Acrylonitrile	3.09	53	83263	264.099	ug/l	98
16) Acetone	2.34	43	178402	299.471	ug/l	97
17) Carbon Disulfide	1.91	76	235249	45.159	ug/l	99
18) Methyl Acetate	2.45	43	52796	48.503	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	252069	51.112	ug/l	98
20) Methylene Chloride	2.33	84	108870m	50.512	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	108887	47.837	ug/l	95
22) Diisopropyl ether	2.93	45	335939	50.931	ug/l	94
23) Vinyl Acetate	3.34	43	754569	256.678	ug/l	99
24) 1,1-Dichloroethane	3.00	63	211111	52.957	ug/l	98
25) 2-Butanone	4.51	43	189893	253.724	ug/l	94
26) 2,2-Dichloropropane	3.77	77	125999	56.598	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	147814	51.950	ug/l	94
28) Bromochloromethane	3.89	49	85913	47.520	ug/l	94
29) Tetrahydrofuran	4.26	42	77037	223.963	ug/l	97
30) Chloroform	4.04	83	291991	54.216	ug/l	97
31) Cyclohexane	3.87	56	154194	48.460	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	242347	52.503	ug/l	99
36) 1,1-Dichloropropene	4.46	75	180565	53.785	ug/l	98
37) Ethyl Acetate	4.30	43	71838	55.535	ug/l #	97
38) Carbon Tetrachloride	4.18	117	233460m	68.048	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	174452	51.813	ug/l	98
40) Benzene	4.82	78	386714	52.310	ug/l	97
41) Methacrylonitrile	4.93	41	40253	50.005	ug/l	93
42) 1,2-Dichloroethane	5.12	62	182258	58.947	ug/l	99
43) Isopropyl Acetate	7.10	43	72468	47.457	ug/l #	98
44) Trichloroethene	5.68	130	146573	53.973	ug/l	98
45) 1,2-Dichloropropane	6.40	63	91819	54.835	ug/l	99
46) Dibromomethane	6.25	93	75434	54.334	ug/l	99
47) Bromodichloromethane	6.54	83	204920	59.036	ug/l	94
48) Methyl methacrylate	6.87	41	54467	50.473	ug/l	93
49) 1,4-Dioxane	6.86	88	10327	929.562	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	309688	267.646	ug/l	98
52) Toluene	7.77	92	254548	55.814	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	143663	54.723	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	171568	56.153	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	81285	56.145	ug/l	95
56) Ethyl methacrylate	8.74	69	72824	47.651	ug/l	96
57) 1,3-Dichloropropane	8.99	76	118818	54.332	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.44	63	95574	208.011	ug/l	98
59) 2-Hexanone	9.61	43	204760	255.873	ug/l	100
60) Dibromochloromethane	8.85	129	137639	58.128	ug/l	100
61) 1,2-Dibromoethane	9.13	107	88522	52.023	ug/l	96
64) Tetrachloroethene	8.30	164	132889	48.127	ug/l	98
65) Chlorobenzene	9.92	112	302513	53.755	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	161232	56.793	ug/l	97
67) Ethyl Benzene	10.02	91	528046	53.585	ug/l	98
68) m/p-Xylenes	10.25	106	380346	104.609	ug/l	99
69) o-Xylene	10.81	106	223324	56.842	ug/l	99
70) Styrene	10.88	104	313292	53.207	ug/l	100
71) Bromoform	10.87	173	83979	53.995	ug/l	96
73) Isopropylbenzene	11.21	105	664938	55.305	ug/l	100
74) N-amyl acetate	11.44	43	119790	46.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	103419	54.936	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	76286	53.115	ug/l #	100
77) Bromobenzene	11.57	156	170820	54.135	ug/l	100
78) n-propylbenzene	11.66	91	686252	53.611	ug/l	100
79) 2-Chlorotoluene	11.79	91	442380	55.578	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	574975	54.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	25532m	47.293	ug/l	
82) 4-Chlorotoluene	11.96	91	418706	53.261	ug/l	100
83) tert-Butylbenzene	12.19	119	611400	55.205	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	567567	55.035	ug/l	99
85) sec-Butylbenzene	12.36	105	742017	55.044	ug/l	100
86) p-Isopropyltoluene	12.51	119	669944	53.490	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	294759	51.147	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	290719	52.267	ug/l	98
89) n-Butylbenzene	12.89	91	601053	53.941	ug/l	100
90) Hexachloroethane	12.97	117	171664	54.893	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	297445	53.325	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23187	54.979	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	273065	54.578	ug/l	99
94) Hexachlorobutadiene	14.22	225	206856	55.471	ug/l	99
95) Naphthalene	14.49	128	416632	55.389	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	275373	56.812	ug/l	99

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

