

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062821.D
 Acq On : 3 Jun 2019 10:56
 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
 6/4/2019 12:15:37 PM

Quant Time: Jun 04 09:07:22 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	5.06	168	860797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1386449	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1134751	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	587485	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	299179	50.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	4.31	113	569025	54.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	7.71	98	1513420	57.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.24%	
62) 4-Bromofluorobenzene	11.49	95	532620	55.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	474314	48.576	ug/l	93
3) Chloromethane	1.14	50	415880	46.693	ug/l	96
4) Vinyl Chloride	1.19	62	399631	45.151	ug/l	99
5) Bromomethane	1.40	94	239906	47.528	ug/l	99
6) Chloroethane	1.45	64	138998	42.003	ug/l	95
7) Trichlorofluoromethane	1.56	101	597140	47.657	ug/l	84
8) Diethyl Ether	1.72	74	123445	50.075	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	355786	45.164	ug/l	98
10) Methyl Iodide	1.98	142	751782	47.596	ug/l	98
11) Tert butyl alcohol	2.70	59	86097	238.764	ug/l	97
12) 1,1-Dichloroethene	1.87	96	322555	45.092	ug/l	88
13) Acrolein	2.10	56	36703	254.947	ug/l	91
14) Allyl chloride	2.20	41	287423	51.793	ug/l	96
15) Acrylonitrile	3.10	53	218875	161.536	ug/l #	95
16) Acetone	2.35	43	389185	285.664	ug/l	99
17) Carbon Disulfide	1.92	76	944457	45.174	ug/l	99
18) Methyl Acetate	2.46	43	97666	41.023	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	607140	46.848	ug/l	98
20) Methylene Chloride	2.34	84	325113m	47.505	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	352098	49.092	ug/l	96
22) Diisopropyl ether	2.94	45	745669	47.294	ug/l	93
23) Vinyl Acetate	3.35	43	2637838	244.383	ug/l	97
24) 1,1-Dichloroethane	3.02	63	521774	44.323	ug/l	99
25) 2-Butanone	4.52	43	795295	250.669	ug/l	98
26) 2,2-Dichloropropane	3.78	77	371297	55.549	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	613066	50.851	ug/l	97
28) Bromochloromethane	3.90	49	327809	51.193	ug/l #	70
29) Tetrahydrofuran	4.27	42	287327	236.782	ug/l	95
30) Chloroform	4.05	83	871499	52.528	ug/l	96
31) Cyclohexane	3.88	56	793877	49.812	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	574100	59.432	ug/l	95
36) 1,1-Dichloropropene	4.48	75	712022	55.786	ug/l	97
37) Ethyl Acetate	4.31	43	255028	52.270	ug/l	96
38) Carbon Tetrachloride	4.19	117	488930	56.680	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	901273	56.736	ug/l	96
40) Benzene	4.83	78	1954123	52.606	ug/l	98
41) Methacrylonitrile	4.94	41	131789	48.588	ug/l #	94
42) 1,2-Dichloroethane	5.14	62	366866	51.927	ug/l	94
43) Isopropyl Acetate	7.12	43	338318	52.491	ug/l #	97
44) Trichloroethene	5.69	130	567831	54.164	ug/l	96
45) 1,2-Dichloropropane	6.41	63	494641	53.063	ug/l	98
46) Dibromomethane	6.27	93	292351	53.717	ug/l	97
47) Bromodichloromethane	6.56	83	576419	52.005	ug/l	96
48) Methyl methacrylate	6.88	41	175968	52.976	ug/l	93
49) 1,4-Dioxane	6.87	88	51544	1177.254	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	1253007	272.302	ug/l	99
52) Toluene	7.78	92	1172160	58.586	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	530371	57.745	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	714346	53.731	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	336041	56.220	ug/l	99
56) Ethyl methacrylate	8.75	69	381193	59.437	ug/l	94
57) 1,3-Dichloropropane	9.00	76	539202	55.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	528167	235.641	ug/l	92
59) 2-Hexanone	9.62	43	925752	282.256	ug/l	99
60) Dibromochloromethane	8.86	129	433953	58.641	ug/l	96
61) 1,2-Dibromoethane	9.13	107	350758	56.504	ug/l	97
64) Tetrachloroethene	8.31	164	442289	50.722	ug/l	95
65) Chlorobenzene	9.94	112	1184545	54.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	451949	51.785	ug/l	97
67) Ethyl Benzene	10.03	91	1970863	52.410	ug/l	97
68) m/p-Xylenes	10.26	106	1461062	101.533	ug/l	97
69) o-Xylene	10.81	106	782501	53.708	ug/l	99
70) Styrene	10.89	104	1136855	52.940	ug/l	100
71) Bromoform	10.88	173	229265	54.761	ug/l #	92
73) Isopropylbenzene	11.22	105	1971902	48.104	ug/l	100
74) N-amyl acetate	11.44	43	519132	44.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	397223	45.376	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	254205	43.808	ug/l	92
77) Bromobenzene	11.58	156	485676	47.154	ug/l	96
78) n-propylbenzene	11.67	91	2244191	45.341	ug/l	98
79) 2-Chlorotoluene	11.80	91	1322430	46.694	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1538202	45.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122575m	49.895	ug/l	
82) 4-Chlorotoluene	11.98	91	1308935	47.029	ug/l	98
83) tert-Butylbenzene	12.19	119	1648174	49.618	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1612051	50.718	ug/l	96
85) sec-Butylbenzene	12.37	105	2133058	48.733	ug/l	94
86) p-Isopropyltoluene	12.52	119	1882959	51.684	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	952717	52.449	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	883471	52.116	ug/l	97
89) n-Butylbenzene	12.89	91	1836204	50.104	ug/l	97
90) Hexachloroethane	12.97	117	474868	53.442	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	837378	52.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	50386	52.831	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	585978	53.454	ug/l	99
94) Hexachlorobutadiene	14.22	225	426904	56.292	ug/l	98
95) Naphthalene	14.49	128	981877	54.672	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	541099	54.074	ug/l	97

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

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