

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062875.D
 Acq On : 6 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
 6/7/2019 4:03:52 PM

Quant Time: Jun 07 01:41:24 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	5.07	168	848732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1390704	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1186667	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	549923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	271204	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
35) Dibromofluoromethane	4.33	113	474319	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
50) Toluene-d8	7.72	98	1208877	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
62) 4-Bromofluorobenzene	11.51	95	478761	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	403342	41.246	ug/l	96
3) Chloromethane	1.15	50	366970	41.787	ug/l	93
4) Vinyl Chloride	1.20	62	370503	42.456	ug/l	98
5) Bromomethane	1.42	94	241409	48.506	ug/l	94
6) Chloroethane	1.48	64	149468	45.809	ug/l	91
7) Trichlorofluoromethane	1.56	101	568659m	46.029	ug/l	
8) Diethyl Ether	1.72	74	115670	47.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.95	101	353669	45.533	ug/l	97
10) Methyl Iodide	2.02	142	717939m	46.099	ug/l	
11) Tert butyl alcohol	2.71	59	86905	244.431	ug/l	97
12) 1,1-Dichloroethene	1.90	96	319310	45.273	ug/l	92
13) Acrolein	2.12	56	27593	192.382	ug/l #	63
14) Allyl chloride	2.21	41	229673	41.975	ug/l	90
15) Acrylonitrile	3.10	53	414640	310.366	ug/l	93
16) Acetone	2.36	43	348012	259.074	ug/l	92
17) Carbon Disulfide	1.94	76	899685m	43.644	ug/l	
18) Methyl Acetate	2.47	43	112415	47.889	ug/l	89
19) Methyl tert-butyl Ether	2.56	73	570419	44.640	ug/l	94
20) Methylene Chloride	2.39	84	315512m	46.708	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	311625m	44.066	ug/l	
22) Diisopropyl ether	2.95	45	671069	43.168	ug/l	96
23) Vinyl Acetate	3.37	43	2406072	226.079	ug/l	98
24) 1,1-Dichloroethane	3.03	63	530614	45.715	ug/l	98
25) 2-Butanone	4.54	43	720281	230.253	ug/l	99
26) 2,2-Dichloropropane	3.80	77	298159	45.241	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	526913	44.326	ug/l	97
28) Bromochloromethane	3.93	49	303327	48.043	ug/l	94
29) Tetrahydrofuran	4.29	42	266774	222.970	ug/l	94
30) Chloroform	4.08	83	738348	45.136	ug/l	96
31) Cyclohexane	3.89	56	644841m	41.036	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	400386	42.038	ug/l	95
36) 1,1-Dichloropropene	4.49	75	574293	44.857	ug/l	97
37) Ethyl Acetate	4.32	43	236167	48.256	ug/l	92
38) Carbon Tetrachloride	4.21	117	360525	41.667	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	710262	44.575	ug/l	99
40) Benzene	4.85	78	1652092	44.339	ug/l	98
41) Methacrylonitrile	4.95	41	120581	44.320	ug/l	96
42) 1,2-Dichloroethane	5.15	62	314587	44.391	ug/l	93
43) Isopropyl Acetate	7.13	43	283512	43.853	ug/l	100
44) Trichloroethene	5.70	130	471205	44.809	ug/l	97
45) 1,2-Dichloropropane	6.42	63	425419	45.497	ug/l	98
46) Dibromomethane	6.29	93	252654	46.281	ug/l	96
47) Bromodichloromethane	6.57	83	509186	45.799	ug/l #	98
48) Methyl methacrylate	6.90	41	156500	46.971	ug/l	96
49) 1,4-Dioxane	6.90	88	39131	891.009	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1157564	250.791	ug/l	99
52) Toluene	7.79	92	957383	47.705	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	435469	47.268	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	598890	44.909	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	303085	50.551	ug/l	97
56) Ethyl methacrylate	8.77	69	342411	53.227	ug/l	95
57) 1,3-Dichloropropane	9.02	76	493782	50.433	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	571726	254.294	ug/l	99
59) 2-Hexanone	9.64	43	915648	278.322	ug/l	93
60) Dibromochloromethane	8.88	129	390082	52.551	ug/l	96
61) 1,2-Dibromoethane	9.14	107	321822	51.684	ug/l	95
64) Tetrachloroethene	8.33	164	364892	40.015	ug/l	92
65) Chlorobenzene	9.95	112	1016507	44.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	411948	45.137	ug/l	97
67) Ethyl Benzene	10.04	91	1724037	43.840	ug/l	98
68) m/p-Xylenes	10.28	106	1295832	86.111	ug/l	98
69) o-Xylene	10.83	106	689938	45.283	ug/l	97
70) Styrene	10.90	104	1011150	45.026	ug/l	99
71) Bromoform	10.89	173	211846	48.386	ug/l #	99
73) Isopropylbenzene	11.22	105	1776838	46.307	ug/l	97
74) N-amyl acetate	11.46	43	517901	47.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	400981	48.934	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	253973	46.758	ug/l	89
77) Bromobenzene	11.59	156	439753	45.612	ug/l	87
78) n-propylbenzene	11.68	91	2029811	43.811	ug/l	95
79) 2-Chlorotoluene	11.81	91	1181180	44.556	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1376659	43.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122283m	53.176	ug/l	
82) 4-Chlorotoluene	11.98	91	1183807	45.439	ug/l	99
83) tert-Butylbenzene	12.21	119	1445107	46.476	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	1370852	46.076	ug/l	99
85) sec-Butylbenzene	12.38	105	1861488	45.434	ug/l	99
86) p-Isopropyltoluene	12.53	119	1534801	45.005	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	745617	43.852	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	715130	45.067	ug/l	98
89) n-Butylbenzene	12.91	91	1532733	44.680	ug/l	96
90) Hexachloroethane	12.98	117	389213	46.794	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	691360	46.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44871	50.262	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	438972	42.779	ug/l	98
94) Hexachlorobutadiene	14.24	225	311035	43.815	ug/l	99
95) Naphthalene	14.50	128	826474	49.162	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	409740	43.744	ug/l	99

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

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