

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062905.D
 Acq On : 10 Jun 2019 13:56
 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
 6/11/2019 2:54:36 PM

Quant Time: Jun 11 01:41:50 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	841562	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1394876	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1063095	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	499802	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	277090	47.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.22%	
35) Dibromofluoromethane	4.32	113	524950	49.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.60%	
50) Toluene-d8	7.71	98	1352389	50.74	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.49	95	448488	46.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	446770	46.628	ug/l	98
3) Chloromethane	1.14	50	397210	45.616	ug/l	96
4) Vinyl Chloride	1.19	62	412176	47.633	ug/l	92
5) Bromomethane	1.39	94	248362	50.328	ug/l	96
6) Chloroethane	1.45	64	167924	51.903	ug/l	94
7) Trichlorofluoromethane	1.56	101	646962	52.813	ug/l	94
8) Diethyl Ether	1.71	74	116321	48.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	369963	48.037	ug/l	98
10) Methyl Iodide	1.99	142	746261m	48.326	ug/l	
11) Tert butyl alcohol	2.70	59	94503	268.065	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	332308	47.517	ug/l	99
13) Acrolein	2.10	56	36315	258.119	ug/l #	74
14) Allyl chloride	2.20	41	359842m	66.325	ug/l	
15) Acrylonitrile	3.09	53	381389	287.909	ug/l	98
16) Acetone	2.35	43	350252	262.963	ug/l	100
17) Carbon Disulfide	1.91	76	966428	47.281	ug/l	99
18) Methyl Acetate	2.46	43	101028	43.405	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	622260	49.112	ug/l	100
20) Methylene Chloride	2.29	84	353337m	53.164	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	357005	50.914	ug/l	98
22) Diisopropyl ether	2.94	45	754506	48.949	ug/l	95
23) Vinyl Acetate	3.35	43	2744568	260.082	ug/l	97
24) 1,1-Dichloroethane	3.02	63	609904	52.994	ug/l	99
25) 2-Butanone	4.52	43	774275	249.622	ug/l	98
26) 2,2-Dichloropropane	3.78	77	419526	64.199	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	638649	54.184	ug/l	95
28) Bromochloromethane	3.90	49	330134	52.735	ug/l	96
29) Tetrahydrofuran	4.27	42	305342	257.380	ug/l	99
30) Chloroform	4.05	83	839325	51.746	ug/l	94
31) Cyclohexane	3.87	56	788598	50.611	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	562499	59.562	ug/l	95
36) 1,1-Dichloropropene	4.47	75	668347	52.047	ug/l	98
37) Ethyl Acetate	4.31	43	237128	48.308	ug/l #	77
38) Carbon Tetrachloride	4.19	117	503772	58.048	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	869928	54.432	ug/l	97
40) Benzene	4.83	78	1957460	52.377	ug/l	99
41) Methacrylonitrile	4.94	41	144691	53.023	ug/l	94
42) 1,2-Dichloroethane	5.14	62	369408	51.971	ug/l	98
43) Isopropyl Acetate	7.12	43	316958	48.880	ug/l	98
44) Trichloroethene	5.69	130	549851	52.132	ug/l	100
45) 1,2-Dichloropropane	6.41	63	499793	53.292	ug/l	99
46) Dibromomethane	6.26	93	297807	54.389	ug/l	94
47) Bromodichloromethane	6.55	83	598824	53.700	ug/l	98
48) Methyl methacrylate	6.88	41	176701	52.875	ug/l	98
49) 1,4-Dioxane	6.87	88	46954	1065.940	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	1187238	256.450	ug/l	99
52) Toluene	7.79	92	1081494	53.728	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	493571	53.414	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	706209	52.798	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	317380	52.777	ug/l	99
56) Ethyl methacrylate	8.75	69	334335	51.816	ug/l	97
57) 1,3-Dichloropropane	9.00	76	522010	53.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	528638	234.426	ug/l	96
59) 2-Hexanone	9.62	43	797761	241.763	ug/l	99
60) Dibromochloromethane	8.86	129	417963	56.139	ug/l	98
61) 1,2-Dibromoethane	9.13	107	333598	53.415	ug/l	94
64) Tetrachloroethene	8.31	164	420216	51.439	ug/l	98
65) Chlorobenzene	9.94	112	1067055	51.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	453388	55.452	ug/l	97
67) Ethyl Benzene	10.03	91	1855516	52.668	ug/l	98
68) m/p-Xylenes	10.26	106	1369161	101.559	ug/l	99
69) o-Xylene	10.81	106	734385	53.803	ug/l	99
70) Styrene	10.89	104	1058102	52.594	ug/l	98
71) Bromoform	10.88	173	227035	57.883	ug/l #	97
73) Isopropylbenzene	11.22	105	1860843	53.359	ug/l	99
74) N-amyl acetate	11.44	43	454842	46.275	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	388596	52.178	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	248877	50.415	ug/l	94
77) Bromobenzene	11.58	156	455489	51.982	ug/l	96
78) n-propylbenzene	11.67	91	2140229	50.827	ug/l	97
79) 2-Chlorotoluene	11.80	91	1217900	50.548	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	1476117	51.758	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	99530m	47.622	ug/l	
82) 4-Chlorotoluene	11.97	91	1203194	50.814	ug/l	95
83) tert-Butylbenzene	12.19	119	1604831	56.789	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1479925	54.730	ug/l	97
85) sec-Butylbenzene	12.37	105	2112343	56.727	ug/l	98
86) p-Isopropyltoluene	12.52	119	1675967	54.073	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	802749	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	758256	52.577	ug/l	97
89) n-Butylbenzene	12.89	91	1659566	53.228	ug/l	97
90) Hexachloroethane	12.97	117	448068	59.272	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	724531	53.342	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	46916	57.823	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	525535	56.351	ug/l	96
94) Hexachlorobutadiene	14.22	225	372730	57.771	ug/l	98
95) Naphthalene	14.49	128	883861	57.848	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	489626	57.514	ug/l	99

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

