

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062719.D
 Acq On : 23 May 2019 10:16
 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
 5/24/2019 11:11:05 AM

Quant Time: May 24 02:21:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	822430	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1330224	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	1002658	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	444845	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	260598	44.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.68%	
35) Dibromofluoromethane	4.30	113	492891	48.42	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	7.70	98	1134873	46.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.49	95	379382	41.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	82.32%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.00	85	480973	42.975	ug/l	94
3) Chloromethane	1.14	50	433516	42.067	ug/l	99
4) Vinyl Chloride	1.19	62	395846	41.729	ug/l	98
5) Bromomethane	1.39	94	249242	48.028	ug/l	98
6) Chloroethane	1.44	64	169160	48.555	ug/l	93
7) Trichlorofluoromethane	1.55	101	624634	49.041	ug/l	85
8) Diethyl Ether	1.71	74	109221	43.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	390309	48.125	ug/l	99
10) Methyl Iodide	1.98	142	766730	48.125	ug/l	96
11) Tert butyl alcohol	2.69	59	88205	229.884	ug/l	96
12) 1,1-Dichloroethene	1.87	96	331768	44.906	ug/l	97
13) Acrolein	2.09	56	69448	173.394	ug/l	100
14) Allyl chloride	2.19	41	300211m	44.897	ug/l	
15) Acrylonitrile	3.08	53	231727	214.100	ug/l	100
16) Acetone	2.34	43	412882	273.841	ug/l	92
17) Carbon Disulfide	1.91	76	971510	44.365	ug/l	95
18) Methyl Acetate	2.46	43	96028	40.530	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	626269	47.418	ug/l	100
20) Methylene Chloride	2.32	84	366805m	48.535	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	365797	50.655	ug/l	91
22) Diisopropyl ether	2.93	45	760369	46.106	ug/l	98
23) Vinyl Acetate	3.34	43	2553779	229.554	ug/l	98
24) 1,1-Dichloroethane	3.01	63	592828	49.000	ug/l	99
25) 2-Butanone	4.51	43	792850	246.129	ug/l	93
26) 2,2-Dichloropropane	3.77	77	371913	53.727	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	592043	49.842	ug/l	98
28) Bromochloromethane	3.90	49	289907	42.725	ug/l	94
29) Tetrahydrofuran	4.25	42	286977	220.152	ug/l	95
30) Chloroform	4.04	83	877032	52.212	ug/l	100
31) Cyclohexane	3.88	56	741060	45.619	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	561989	50.377	ug/l	98
36) 1,1-Dichloropropene	4.46	75	695899	51.054	ug/l	96
37) Ethyl Acetate	4.29	43	234622	42.157	ug/l #	93
38) Carbon Tetrachloride	4.17	117	519045m	50.632	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	838422	51.120	ug/l	96
40) Benzene	4.82	78	1911257	51.470	ug/l	100
41) Methacrylonitrile	4.92	41	140397	48.117	ug/l	92
42) 1,2-Dichloroethane	5.12	62	380704	51.411	ug/l	93
43) Isopropyl Acetate	7.10	43	301969	41.881	ug/l	100
44) Trichloroethene	5.67	130	545750	52.292	ug/l	90
45) 1,2-Dichloropropane	6.40	63	464579	49.561	ug/l	96
46) Dibromomethane	6.25	93	275746	50.900	ug/l	92
47) Bromodichloromethane	6.54	83	595290	52.931	ug/l	99
48) Methyl methacrylate	6.87	41	155099	41.155	ug/l #	89
49) 1,4-Dioxane	6.87	88	41249	854.569	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	1103208	223.844	ug/l	99
52) Toluene	7.77	92	1031835	52.984	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	466758	50.729	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	665973	51.706	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	296574	51.433	ug/l	96
56) Ethyl methacrylate	8.75	69	304774	44.365	ug/l	93
57) 1,3-Dichloropropane	8.99	76	499181	50.825	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	547291	244.755	ug/l	99
59) 2-Hexanone	9.62	43	831108	259.899	ug/l	90
60) Dibromochloromethane	8.85	129	401282	53.396	ug/l	97
61) 1,2-Dibromoethane	9.12	107	317633	51.862	ug/l	98
64) Tetrachloroethene	8.30	164	404471	50.920	ug/l	97
65) Chlorobenzene	9.92	112	1030209	52.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	422590	53.453	ug/l	98
67) Ethyl Benzene	10.02	91	1708281	49.933	ug/l	98
68) m/p-Xylenes	10.25	106	1331908	103.585	ug/l	97
69) o-Xylene	10.81	106	694176	52.415	ug/l	93
70) Styrene	10.88	104	987500	49.056	ug/l	99
71) Bromoform	10.87	173	212116	53.571	ug/l #	97
73) Isopropylbenzene	11.20	105	1728260	54.207	ug/l	100
74) N-amyl acetate	11.44	43	413347	51.069	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	346318	53.151	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	211763	49.463	ug/l	99
77) Bromobenzene	11.58	156	424624	53.580	ug/l	85
78) n-propylbenzene	11.67	91	1972543	52.277	ug/l	99
79) 2-Chlorotoluene	11.78	91	1163164	54.700	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	1365862	53.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	109293m	57.431	ug/l	
82) 4-Chlorotoluene	11.96	91	1130760	53.924	ug/l	98
83) tert-Butylbenzene	12.19	119	1437079	55.406	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1346097	54.402	ug/l	97
85) sec-Butylbenzene	12.36	105	1864572	53.567	ug/l	97
86) p-Isopropyltoluene	12.51	119	1582426	53.944	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	751346	52.402	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	703289	52.269	ug/l	96
89) n-Butylbenzene	12.89	91	1502020	51.932	ug/l	99
90) Hexachloroethane	12.97	117	403085	57.281	ug/l	75
91) 1,2-Dichlorobenzene	12.99	146	686594	53.720	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	43998	56.604	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	500838	54.745	ug/l	96
94) Hexachlorobutadiene	14.22	225	358476	56.148	ug/l	97
95) Naphthalene	14.49	128	811872	48.849	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	469658	54.198	ug/l	98

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

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