

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062054.D
 Acq On : 21 Mar 2019 11:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 2:59:08 AM

Quant Time: Mar 22 08:16:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	277360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	433111	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	378633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	200007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	99794	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
35) Dibromofluoromethane	4.11	113	145061	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
50) Toluene-d8	7.55	98	395397	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.41	95	160863	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	136660	46.220	ug/l	99
3) Chloromethane	1.10	50	147363	49.044	ug/l	90
4) Vinyl Chloride	1.14	62	147091	50.616	ug/l	97
5) Bromomethane	1.33	94	107100	52.462	ug/l	100
6) Chloroethane	1.40	64	76245	50.823	ug/l	100
7) Trichlorofluoromethane	1.48	101	187714m	48.757	ug/l	
8) Diethyl Ether	1.63	74	45572	53.246	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	132963	49.018	ug/l	95
10) Methyl Iodide	1.92	142	242469m	51.059	ug/l	
11) Tert butyl alcohol	2.57	59	31042	254.088	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	123827	52.897	ug/l	85
13) Acrolein	2.00	56	34727	263.310	ug/l	87
14) Allyl chloride	2.10	41	148585	49.724	ug/l	94
15) Acrylonitrile	2.94	53	107055	288.158	ug/l	97
16) Acetone	2.24	43	134750	300.558	ug/l	98
17) Carbon Disulfide	1.81	76	332643m	49.158	ug/l	
18) Methyl Acetate	2.34	43	63041	62.049	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	220966	52.093	ug/l	98
20) Methylene Chloride	2.18	84	119071m	50.903	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	120949	49.510	ug/l	93
22) Diisopropyl ether	2.80	45	382534	53.222	ug/l	99
23) Vinyl Acetate	3.18	43	802492	283.224	ug/l	99
24) 1,1-Dichloroethane	2.87	63	216546	51.814	ug/l	99
25) 2-Butanone	4.33	43	245752	276.776	ug/l	93
26) 2,2-Dichloropropane	3.60	77	94329	47.851	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	153139	49.736	ug/l	97
28) Bromochloromethane	3.71	49	88925	51.279	ug/l	99
29) Tetrahydrofuran	4.07	42	106935	276.929	ug/l	99
30) Chloroform	3.85	83	234999	49.627	ug/l	96
31) Cyclohexane	3.69	56	201378m	48.776	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	140825	44.781	ug/l	92
36) 1,1-Dichloropropene	4.28	75	194030	49.609	ug/l	97
37) Ethyl Acetate	4.11	43	89448	50.934	ug/l	87
38) Carbon Tetrachloride	3.99	117	132209	46.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	213056	46.401	ug/l	94
40) Benzene	4.63	78	519406	50.117	ug/l	98
41) Methacrylonitrile	4.74	41	48398	51.582	ug/l	94
42) 1,2-Dichloroethane	4.94	62	134242	52.033	ug/l	98
43) Isopropyl Acetate	6.96	43	105089	50.576	ug/l #	94
44) Trichloroethene	5.50	130	153098	48.223	ug/l	98
45) 1,2-Dichloropropane	6.23	63	119498	48.722	ug/l	97
46) Dibromomethane	6.08	93	78859	54.049	ug/l	96
47) Bromodichloromethane	6.38	83	170937	49.694	ug/l	98
48) Methyl methacrylate	6.71	41	64769	48.231	ug/l #	88
49) 1,4-Dioxane	6.70	88	12771	1069.151	ug/l #	76
51) 4-Methyl-2-Pentanone	8.25	43	395897	268.315	ug/l	95
52) Toluene	7.62	92	305701	48.277	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	141250	48.639	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	192093	50.695	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	94464	53.450	ug/l	98
56) Ethyl methacrylate	8.62	69	110722	55.112	ug/l	98
57) 1,3-Dichloropropane	8.85	76	147712	50.104	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	77868	213.987	ug/l	99
59) 2-Hexanone	9.48	43	299790	280.749	ug/l	98
60) Dibromochloromethane	8.71	129	131004	53.395	ug/l	99
61) 1,2-Dibromoethane	8.98	107	98197	51.799	ug/l	95
64) Tetrachloroethene	8.15	164	132639	48.193	ug/l	97
65) Chlorobenzene	9.79	112	346230	49.115	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	140118	51.278	ug/l	97
67) Ethyl Benzene	9.90	91	559141	46.324	ug/l	99
68) m/p-Xylenes	10.12	106	437963	96.473	ug/l	96
69) o-Xylene	10.71	106	234917	48.361	ug/l	99
70) Styrene	10.78	104	331427	49.248	ug/l	99
71) Bromoform	10.77	173	75546	54.659	ug/l	98
73) Isopropylbenzene	11.12	105	674214	48.794	ug/l	100
74) N-amyl acetate	11.37	43	174019	54.963	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	120931	53.022	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	81745	51.256	ug/l	98
77) Bromobenzene	11.49	156	156604	48.940	ug/l	99
78) n-propylbenzene	11.59	91	728170	45.831	ug/l	98
79) 2-Chlorotoluene	11.71	91	428997	47.835	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	544138	48.750	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	40345m	57.183	ug/l	
82) 4-Chlorotoluene	11.90	91	422582	46.595	ug/l	98
83) tert-Butylbenzene	12.13	119	572840	49.073	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	533709	47.738	ug/l	100
85) sec-Butylbenzene	12.30	105	760742	48.236	ug/l	96
86) p-Isopropyltoluene	12.46	119	669954	50.908	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303375	48.238	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	304592	50.318	ug/l	98
89) n-Butylbenzene	12.85	91	618939	50.051	ug/l	98
90) Hexachloroethane	12.91	117	158215	52.681	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	288295	49.493	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18944	51.760	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	200574	49.448	ug/l	99
94) Hexachlorobutadiene	14.19	225	129618	48.134	ug/l	97
95) Naphthalene	14.45	128	392605	53.816	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	193343	51.810	ug/l	94

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

