

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062172.D
 Acq On : 16 Apr 2019 12:16
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:17 AM

Quant Time: Apr 17 07:42:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	429496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	680838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	552055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	267803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	211351	54.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.24%	
35) Dibromofluoromethane	4.31	113	283001	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.38%	
50) Toluene-d8	7.71	98	842319	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	11.50	95	317579	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	300701	47.635	ug/l	100
3) Chloromethane	1.14	50	354531	52.250	ug/l	100
4) Vinyl Chloride	1.19	62	304862	51.318	ug/l	100
5) Bromomethane	1.36	94	203099	53.267	ug/l	100
6) Chloroethane	1.43	64	146050	51.963	ug/l	100
7) Trichlorofluoromethane	1.55	101	360431	50.875	ug/l	100
8) Diethyl Ether	1.71	74	73531	51.447	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235836	50.857	ug/l	100
10) Methyl Iodide	1.97	142	446592	51.664	ug/l	100
11) Tert butyl alcohol	2.68	59	52278	243.740	ug/l	100
12) 1,1-Dichloroethene	1.87	96	240445	50.985	ug/l	100
13) Acrolein	2.09	56	36085	215.770	ug/l	100
14) Allyl chloride	2.20	41	370910	52.232	ug/l	100
15) Acrylonitrile	3.09	53	179311	227.046	ug/l	100
16) Acetone	2.35	43	213796	245.063	ug/l	100
17) Carbon Disulfide	1.91	76	703866	52.480	ug/l	100
18) Methyl Acetate	2.46	43	88258	42.640	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	386041	49.212	ug/l	100
20) Methylene Chloride	2.33	84	219300m	43.872	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	223381	49.506	ug/l	100
22) Diisopropyl ether	2.93	45	666314	50.480	ug/l	100
23) Vinyl Acetate	3.34	43	1693714	257.237	ug/l	100
24) 1,1-Dichloroethane	3.02	63	369519	50.271	ug/l	100
25) 2-Butanone	4.52	43	473681	252.678	ug/l	100
26) 2,2-Dichloropropane	3.78	77	184582	47.742	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	309795	51.723	ug/l	100
28) Bromochloromethane	3.90	49	184468	52.410	ug/l	100
29) Tetrahydrofuran	4.26	42	202104	242.458	ug/l	100
30) Chloroform	4.05	83	452926	49.562	ug/l	100
31) Cyclohexane	3.89	56	483306	50.935	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	320320	51.403	ug/l	100
36) 1,1-Dichloropropene	4.47	75	376459	49.766	ug/l	100
37) Ethyl Acetate	4.30	43	165446	47.466	ug/l	100
38) Carbon Tetrachloride	4.18	117	320205m	48.399	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	467436	49.310	ug/l	100
40) Benzene	4.82	78	972544	48.671	ug/l	100
41) Methacrylonitrile	4.93	41	94306	45.029	ug/l	100
42) 1,2-Dichloroethane	5.13	62	256822	50.782	ug/l	100
43) Isopropyl Acetate	7.11	43	193688	47.814	ug/l	100
44) Trichloroethene	5.68	130	260220	48.655	ug/l	100
45) 1,2-Dichloropropane	6.41	63	236762	48.299	ug/l	100
46) Dibromomethane	6.26	93	144407	48.853	ug/l	100
47) Bromodichloromethane	6.55	83	327607	48.920	ug/l	100
48) Methyl methacrylate	6.87	41	127043	48.181	ug/l	100
49) 1,4-Dioxane	6.86	88	20550	1000.139	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	706126	227.542	ug/l	100
52) Toluene	7.78	92	565280	48.156	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	278386	47.993	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	361021	48.946	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	164787	49.015	ug/l	100
56) Ethyl methacrylate	8.76	69	189694	47.450	ug/l	100
57) 1,3-Dichloropropane	8.99	76	262988	47.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	224181	217.647	ug/l	100
59) 2-Hexanone	9.62	43	456460	231.120	ug/l	100
60) Dibromochloromethane	8.85	129	226777	49.025	ug/l	100
61) 1,2-Dibromoethane	9.13	107	175704	48.849	ug/l	100
64) Tetrachloroethene	8.30	164	223013	49.461	ug/l	100
65) Chlorobenzene	9.93	112	571818	49.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	232086	48.951	ug/l	100
67) Ethyl Benzene	10.03	91	1063667	49.966	ug/l	100
68) m/p-Xylenes	10.25	106	779780	99.487	ug/l	100
69) o-Xylene	10.82	106	420450	49.556	ug/l	100
70) Styrene	10.90	104	609924	49.452	ug/l	100
71) Bromoform	10.88	173	118244	47.623	ug/l	100
73) Isopropylbenzene	11.21	105	1170714	50.743	ug/l	100
74) N-amyl acetate	11.45	43	278030	46.234	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	202996	49.392	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	138431	49.710	ug/l	100
77) Bromobenzene	11.58	156	238681	49.745	ug/l	100
78) n-propylbenzene	11.67	91	1287613	49.100	ug/l	100
79) 2-Chlorotoluene	11.79	91	779881	50.451	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	958037	49.789	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	67084m	44.767	ug/l	
82) 4-Chlorotoluene	11.97	91	760209	50.183	ug/l	100
83) tert-Butylbenzene	12.20	119	961152	50.304	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	921451	49.344	ug/l	100
85) sec-Butylbenzene	12.36	105	1255023	49.952	ug/l	100
86) p-Isopropyltoluene	12.52	119	1063011	49.664	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	432907	49.314	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	424609	49.610	ug/l	100
89) n-Butylbenzene	12.90	91	1041329	48.608	ug/l	100
90) Hexachloroethane	12.98	117	263319	50.223	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	407902	48.418	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	36051	48.704	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	306245	48.402	ug/l	100
94) Hexachlorobutadiene	14.23	225	204767	49.659	ug/l	100
95) Naphthalene	14.49	128	539269	48.784	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	292885	49.685	ug/l	100

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

