

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062206.D
 Acq On : 18 Apr 2019 15:45
 Operator : FY/SY
 Sample : VF0418SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:52:28 AM

Quant Time: Apr 19 02:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	447541	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	650573	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	481072	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	272765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	217065	52.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	4.31	113	286351	50.32	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.64%	
50) Toluene-d8	7.71	98	715337	49.66	ug/l	0.01
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.49	95	272260	49.13	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	133505	19.630	ug/l	99
3) Chloromethane	1.15	50	127471	18.133	ug/l	100
4) Vinyl Chloride	1.18	62	113440	18.783	ug/l	97
5) Bromomethane	1.38	94	61070	17.406	ug/l	94
6) Chloroethane	1.44	64	44019	17.435	ug/l	99
7) Trichlorofluoromethane	1.55	101	138205	18.013	ug/l	97
8) Diethyl Ether	1.71	74	29051	18.192	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	101075	19.283	ug/l	98
10) Methyl Iodide	1.99	142	175216m	18.817	ug/l	
11) Tert butyl alcohol	2.70	59	25843	90.596	ug/l #	94
12) 1,1-Dichloroethene	1.87	96	93467	18.748	ug/l	99
13) Acrolein	2.10	56	15846	108.542	ug/l #	73
14) Allyl chloride	2.19	41	91426	15.980	ug/l	98
15) Acrylonitrile	3.09	53	84245	96.965	ug/l	98
16) Acetone	2.35	43	86315	87.996	ug/l	97
17) Carbon Disulfide	1.91	76	252911m	18.256	ug/l	
18) Methyl Acetate	2.46	43	44852	17.424	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	167536	19.033	ug/l	96
20) Methylene Chloride	2.35	84	106844m	18.195	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	92994m	18.862	ug/l	
22) Diisopropyl ether	2.94	45	270525	18.484	ug/l	98
23) Vinyl Acetate	3.34	43	696694	99.913	ug/l	100
24) 1,1-Dichloroethane	3.01	63	158665	19.818	ug/l	99
25) 2-Butanone	4.53	43	178721	91.122	ug/l	97
26) 2,2-Dichloropropane	3.78	77	74091	18.330	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	124008	19.423	ug/l	96
28) Bromochloromethane	3.89	49	73132	19.069	ug/l #	96
29) Tetrahydrofuran	4.27	42	84721	95.431	ug/l	96
30) Chloroform	4.04	83	188547	19.163	ug/l	98
31) Cyclohexane	3.86	56	171413	17.866	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	115002	15.968	ug/l #	89
36) 1,1-Dichloropropene	4.47	75	146249	18.750	ug/l	99
37) Ethyl Acetate	4.31	43	69880	18.986	ug/l #	100
38) Carbon Tetrachloride	4.18	117	127332	18.443	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	188129	20.144	ug/l	97
40) Benzene	4.82	78	389739	19.050	ug/l	100
41) Methacrylonitrile	4.94	41	38885	18.315	ug/l	93
42) 1,2-Dichloroethane	5.13	62	104187	19.263	ug/l	100
43) Isopropyl Acetate	7.12	43	65592	16.944	ug/l #	99
44) Trichloroethene	5.68	130	113184	20.473	ug/l	99
45) 1,2-Dichloropropane	6.41	63	87069	19.320	ug/l	99
46) Dibromomethane	6.26	93	58871	19.634	ug/l	97
47) Bromodichloromethane	6.56	83	132905	19.643	ug/l	99
48) Methyl methacrylate	6.88	41	45050	17.708	ug/l	98
49) 1,4-Dioxane	6.87	88	11190	383.527	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	278804	96.830	ug/l	100
52) Toluene	7.78	92	208808	19.362	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	101956	20.062	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	137411	19.989	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	59088	19.558	ug/l	95
56) Ethyl methacrylate	8.75	69	62278	18.131	ug/l	94
57) 1,3-Dichloropropane	9.00	76	90462	18.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	100372	100.646	ug/l	96
59) 2-Hexanone	9.62	43	172064	95.913	ug/l	97
60) Dibromochloromethane	8.86	129	90982	20.249	ug/l	99
61) 1,2-Dibromoethane	9.13	107	66613	19.571	ug/l	99
64) Tetrachloroethene	8.30	164	88958	20.484	ug/l	97
65) Chlorobenzene	9.94	112	211995	20.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	99534	20.720	ug/l	100
67) Ethyl Benzene	10.04	91	372139	19.951	ug/l	99
68) m/p-Xylenes	10.26	106	277873	40.468	ug/l	96
69) o-Xylene	10.81	106	155857	20.444	ug/l	98
70) Styrene	10.89	104	226252	21.030	ug/l	99
71) Bromoform	10.88	173	54182	21.363	ug/l #	97
73) Isopropylbenzene	11.22	105	464638	19.830	ug/l	99
74) N-amyl acetate	11.44	43	115123	19.362	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	78164	19.398	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	53830m	19.417	ug/l	
77) Bromobenzene	11.58	156	101123	20.147	ug/l	96
78) n-propylbenzene	11.67	91	486334	19.676	ug/l	99
79) 2-Chlorotoluene	11.80	91	294914	19.669	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	391216	20.047	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	25404m	17.968	ug/l	
82) 4-Chlorotoluene	11.98	91	290609	20.056	ug/l	100
83) tert-Butylbenzene	12.19	119	408486	20.241	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	364628	19.308	ug/l	97
85) sec-Butylbenzene	12.37	105	504196	19.244	ug/l	98
86) p-Isopropyltoluene	12.52	119	435318	19.587	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	183251	19.674	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	177730	19.783	ug/l	99
89) n-Butylbenzene	12.89	91	413775	19.469	ug/l	98
90) Hexachloroethane	12.97	117	112842	19.772	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	176771	19.655	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	14605	18.448	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	157019	20.866	µg/l	97
94) Hexachlorobutadiene	14.22	225	106830	20.704	µg/l	99
95) Naphthalene	14.49	128	263341	20.014	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	149376	20.677	µg/l	95

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

