

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062186.D
 Acq On : 16 Apr 2019 20:08
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:37 AM

Quant Time: Apr 17 08:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	362598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	548928	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	421351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	232576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	169225	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
35) Dibromofluoromethane	4.31	113	238861	55.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.32%	
50) Toluene-d8	7.71	98	606517	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.50	95	233054	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	137200	25.790	ug/l	100
3) Chloromethane	1.15	50	142125	24.824	ug/l	98
4) Vinyl Chloride	1.20	62	129204	25.794	ug/l	99
5) Bromomethane	1.36	94	66359	20.601	ug/l	95
6) Chloroethane	1.44	64	48379	20.398	ug/l	98
7) Trichlorofluoromethane	1.55	101	146729	24.491	ug/l	92
8) Diethyl Ether	1.71	74	28830	23.838	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	105026	26.841	ug/l	96
10) Methyl Iodide	1.98	142	178930	24.565	ug/l	98
11) Tert butyl alcohol	2.68	59	23211	128.245	ug/l #	89
12) 1,1-Dichloroethene	1.88	96	99194	24.926	ug/l	97
13) Acrolein	2.10	56	20575	144.316	ug/l	92
14) Allyl chloride	2.20	41	169370	28.266	ug/l	96
15) Acrylonitrile	3.09	53	86716	128.944	ug/l	95
16) Acetone	2.35	43	79025	107.342	ug/l	96
17) Carbon Disulfide	1.91	76	277967	24.658	ug/l	99
18) Methyl Acetate	2.47	43	41155	22.812	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	171783	25.952	ug/l	95
20) Methylene Chloride	2.29	84	122203m	32.778	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	96761	25.413	ug/l	95
22) Diisopropyl ether	2.94	45	280754	25.206	ug/l	99
23) Vinyl Acetate	3.35	43	635654	114.409	ug/l	98
24) 1,1-Dichloroethane	3.02	63	157669	25.420	ug/l	99
25) 2-Butanone	4.53	43	162949	103.039	ug/l	100
26) 2,2-Dichloropropane	3.78	77	85319	26.152	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	120226	23.787	ug/l	93
28) Bromochloromethane	3.91	49	71720	24.147	ug/l	92
29) Tetrahydrofuran	4.27	42	77853	110.685	ug/l	98
30) Chloroform	4.05	83	183880	23.845	ug/l	93
31) Cyclohexane	3.88	56	187900	23.448	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	139829	26.592	ug/l	98
36) 1,1-Dichloropropene	4.48	75	142160	23.309	ug/l	99
37) Ethyl Acetate	4.30	43	62659	22.296	ug/l #	77
38) Carbon Tetrachloride	4.19	117	141007m	26.861	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	172689	22.594	ug/l	96
40) Benzene	4.82	78	383393	23.798	ug/l	100
41) Methacrylonitrile	4.93	41	38820	22.990	ug/l	98
42) 1,2-Dichloroethane	5.13	62	92110	22.590	ug/l	98
43) Isopropyl Acetate	7.12	43	66527	20.490	ug/l #	98
44) Trichloroethene	5.69	130	97492	22.609	ug/l	96
45) 1,2-Dichloropropane	6.41	63	85534	21.642	ug/l	96
46) Dibromomethane	6.26	93	50729	21.286	ug/l	89
47) Bromodichloromethane	6.56	83	119651	22.161	ug/l	96
48) Methyl methacrylate	6.87	41	41727	19.628	ug/l	96
49) 1,4-Dioxane	6.87	88	8232	496.915	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	260515	104.121	ug/l	98
52) Toluene	7.78	92	200108	21.144	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	86912	18.584	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	126543	21.279	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	50150	18.501	ug/l	97
56) Ethyl methacrylate	8.76	69	64932	20.145	ug/l	93
57) 1,3-Dichloropropane	8.99	76	85865	19.268	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	80780	97.272	ug/l	100
59) 2-Hexanone	9.62	43	167103	105.087	ug/l	94
60) Dibromochloromethane	8.86	129	76669	20.557	ug/l	95
61) 1,2-Dibromoethane	9.13	107	55859	19.262	ug/l	98
64) Tetrachloroethene	8.30	164	79067	22.975	ug/l	96
65) Chlorobenzene	9.93	112	194785	22.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	92481	25.557	ug/l	95
67) Ethyl Benzene	10.03	91	364719	22.447	ug/l	96
68) m/p-Xylenes	10.26	106	262293	43.854	ug/l	85
69) o-Xylene	10.82	106	150381	23.223	ug/l	85
70) Styrene	10.89	104	211387	22.446	ug/l	98
71) Bromoform	10.88	173	43460	22.933	ug/l #	94
73) Isopropylbenzene	11.21	105	443763	22.148	ug/l	98
74) N-amyl acetate	11.45	43	117247	23.310	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	70670	19.800	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	50168	20.726	ug/l	99
77) Bromobenzene	11.58	156	85641	20.552	ug/l	98
78) n-propylbenzene	11.67	91	477684	20.974	ug/l	95
79) 2-Chlorotoluene	11.79	91	286569	21.346	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	373884	22.374	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	25383m	20.967	ug/l	
82) 4-Chlorotoluene	11.97	91	274921	20.897	ug/l	99
83) tert-Butylbenzene	12.20	119	381888	23.014	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	361025	22.261	ug/l	96
85) sec-Butylbenzene	12.36	105	501238	22.972	ug/l	98
86) p-Isopropyltoluene	12.52	119	430275	23.147	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	170793	22.403	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	161558	21.735	ug/l	96
89) n-Butylbenzene	12.90	91	421741	21.504	ug/l	94
90) Hexachloroethane	12.98	117	106660	23.424	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	160692	21.963	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13520	21.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	132822	24.172	µg/l	99
94) Hexachlorobutadiene	14.23	225	90629	25.308	µg/l	99
95) Naphthalene	14.49	128	233542	24.327	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	129142	25.226	µg/l	98

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

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