

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061061.D
 Acq On : 18 Dec 2018 14:29
 Operator : VA/AP
 Sample : VF1218SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:15:09 PM

Quant Time: Dec 19 01:27:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	180748	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	285544	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	282623	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	142209	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	122360	57.47	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	114.94%	
35) Dibromofluoromethane	4.12	113	122954	54.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.56%	
50) Toluene-d8	7.55	98	345335	51.75	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.41	95	160053	52.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	55160	20.410	ug/l	89
3) Chloromethane	1.10	50	39011	22.183	ug/l	95
4) Vinyl Chloride	1.15	62	39845	24.290	ug/l	95
5) Bromomethane	1.32	94	27418	23.704	ug/l #	80
6) Chloroethane	1.39	64	18218	25.692	ug/l	88
7) Trichlorofluoromethane	1.49	101	84097	23.894	ug/l	90
8) Diethyl Ether	1.63	74	12082	23.872	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42544	23.910	ug/l	96
10) Methyl Iodide	1.91	142	67485m	24.952	ug/l	
11) Tert butyl alcohol	2.57	59	11552	132.349	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	32437	22.665	ug/l	96
13) Acrolein	2.00	56	6418m	77.607	ug/l	
14) Allyl chloride	2.10	41	39196m	21.973	ug/l	
15) Acrylonitrile	2.95	53	23615	120.679	ug/l	99
16) Acetone	2.24	43	54475	138.737	ug/l	99
17) Carbon Disulfide	1.83	76	88389m	23.034	ug/l	
18) Methyl Acetate	2.34	43	22102	32.990	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	74629	23.152	ug/l	99
20) Methylene Chloride	2.26	84	36529m	25.359	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	24794	17.970	ug/l	82
22) Diisopropyl ether	2.80	45	122737	25.278	ug/l	99
23) Vinyl Acetate	3.19	43	290720	130.983	ug/l	96
24) 1,1-Dichloroethane	2.87	63	67723	23.443	ug/l	95
25) 2-Butanone	4.34	43	91141	134.199	ug/l	95
26) 2,2-Dichloropropane	3.59	77	42077	22.466	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	55677	24.786	ug/l	97
28) Bromochloromethane	3.72	49	32251	23.262	ug/l	90
29) Tetrahydrofuran	4.08	42	34646	120.349	ug/l	95
30) Chloroform	3.86	83	107076	24.083	ug/l	99
31) Cyclohexane	3.69	56	69686m	23.243	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	63726	20.667	ug/l	94
36) 1,1-Dichloropropene	4.28	75	79979	25.253	ug/l	97
37) Ethyl Acetate	4.12	43	34147	26.531	ug/l #	78
38) Carbon Tetrachloride	3.99	117	63874	22.833	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	77494	23.348	ug/l	93
40) Benzene	4.63	78	180346	25.775	ug/l	98
41) Methacrylonitrile	4.75	41	17350	24.021	ug/l #	92
42) 1,2-Dichloroethane	4.94	62	65423	25.612	ug/l	99
43) Isopropyl Acetate	6.96	43	39871	23.676	ug/l #	88
44) Trichloroethene	5.51	130	54931	24.011	ug/l	97
45) 1,2-Dichloropropane	6.24	63	47938	26.380	ug/l	92
46) Dibromomethane	6.09	93	30552	24.784	ug/l	92
47) Bromodichloromethane	6.39	83	81791	24.981	ug/l	94
48) Methyl methacrylate	6.72	41	26874	23.068	ug/l	98
49) 1,4-Dioxane	6.71	88	3754	440.284	ug/l #	72
51) 4-Methyl-2-Pentanone	8.26	43	154850	130.470	ug/l	98
52) Toluene	7.62	92	113499	23.094	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	66874	25.111	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	85564	25.952	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	35777	24.982	ug/l	97
56) Ethyl methacrylate	8.63	69	38410	24.144	ug/l	93
57) 1,3-Dichloropropane	8.85	76	65137	25.998	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	47423	291.434	ug/l	96
59) 2-Hexanone	9.50	43	114115	137.049	ug/l	99
60) Dibromochloromethane	8.72	129	50270	23.559	ug/l	94
61) 1,2-Dibromoethane	8.99	107	37355	24.146	ug/l	89
64) Tetrachloroethene	8.15	164	47769	22.129	ug/l	98
65) Chlorobenzene	9.80	112	132677	24.131	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	53247	22.528	ug/l	92
67) Ethyl Benzene	9.90	91	251683	24.589	ug/l	97
68) m/p-Xylenes	10.14	106	167228	45.425	ug/l	97
69) o-Xylene	10.72	106	91209	22.468	ug/l	92
70) Styrene	10.79	104	129497	23.012	ug/l	98
71) Bromoform	10.78	173	26067	22.832	ug/l	95
73) Isopropylbenzene	11.12	105	276265	24.583	ug/l	98
74) N-amyl acetate	11.37	43	66019	25.440	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	48855	26.415	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	35339	26.287	ug/l	97
77) Bromobenzene	11.50	156	58766	23.852	ug/l	84
78) n-propylbenzene	11.60	91	346123	26.300	ug/l	99
79) 2-Chlorotoluene	11.73	91	195754	25.941	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	223764	24.527	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	17640m	26.780	ug/l	
82) 4-Chlorotoluene	11.90	91	199010	25.060	ug/l	98
83) tert-Butylbenzene	12.13	119	237197	25.524	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	233485	25.643	ug/l	98
85) sec-Butylbenzene	12.31	105	332812	26.161	ug/l	99
86) p-Isopropyltoluene	12.46	119	281317	26.375	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	119359	25.468	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	113286	24.804	ug/l	97
89) n-Butylbenzene	12.85	91	280267	25.987	ug/l	97
90) Hexachloroethane	12.92	117	62609	24.377	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	110028	24.791	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8504	23.781	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	76944	24.812	ug/l	98
94) Hexachlorobutadiene	14.19	225	47573	23.013	ug/l	99
95) Naphthalene	14.46	128	167939	26.239	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	73539	25.540	ug/l	95

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

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