

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060782.D
 Acq On : 19 Nov 2018 17:37
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Manual Integrations
 APPROVED

apatel
 11/20/2018 12:02:22 PM

Quant Time: Nov 20 02:46:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	149057	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	253750	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	236558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	138541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	94024	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	4.12	113	104865	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
50) Toluene-d8	7.56	98	274301	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
62) 4-Bromofluorobenzene	11.41	95	138129	62.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	65406	24.519	ug/l	96
3) Chloromethane	1.10	50	37668	22.769	ug/l	95
4) Vinyl Chloride	1.14	62	34627	23.398	ug/l	96
5) Bromomethane	1.31	94	24884	26.470	ug/l	99
6) Chloroethane	1.37	64	14495	25.033	ug/l	94
7) Trichlorofluoromethane	1.48	101	81680	24.958	ug/l	97
8) Diethyl Ether	1.64	74	8941	21.323	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.81	101	39153	25.387	ug/l	96
10) Methyl Iodide	1.89	142	57330m	23.169	ug/l	
11) Tert butyl alcohol	2.57	59	9952	128.618	ug/l	99
12) 1,1-Dichloroethene	1.78	96	28952	23.808	ug/l	99
13) Acrolein	2.00	56	6555	92.652	ug/l	98
14) Allyl chloride	2.10	41	49147	23.069	ug/l	97
15) Acrylonitrile	2.95	53	20881	126.645	ug/l	93
16) Acetone	2.24	43	48158	132.521	ug/l	94
17) Carbon Disulfide	1.81	76	85117m	23.159	ug/l	
18) Methyl Acetate	2.35	43	16597	27.814	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	65829	22.565	ug/l	100
20) Methylene Chloride	2.18	84	29205m	22.614	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	29152	22.945	ug/l	91
22) Diisopropyl ether	2.80	45	95690	23.265	ug/l	99
23) Vinyl Acetate	3.19	43	228026	117.733	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61341	24.634	ug/l	100
25) 2-Butanone	4.34	43	69690	116.591	ug/l	94
26) 2,2-Dichloropropane	3.60	77	47464	24.222	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	49839	23.059	ug/l	97
28) Bromochloromethane	3.72	49	27702	21.406	ug/l	89
29) Tetrahydrofuran	4.07	42	26552	107.692	ug/l	97
30) Chloroform	3.87	83	96440	24.139	ug/l	91
31) Cyclohexane	3.70	56	62381	20.641	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	75181	23.896	ug/l	98
36) 1,1-Dichloropropene	4.29	75	67531	22.947	ug/l	99
37) Ethyl Acetate	4.11	43	25127	22.966	ug/l	94
38) Carbon Tetrachloride	3.99	117	71555	25.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	78790	23.077	ug/l	97
40) Benzene	4.64	78	139641	21.286	ug/l	98
41) Methacrylonitrile	4.75	41	13419	20.445	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	54553	24.064	ug/l	98
43) Isopropyl Acetate	6.96	43	29012	19.999	ug/l #	100
44) Trichloroethene	5.51	130	47342	22.873	ug/l	96
45) 1,2-Dichloropropane	6.24	63	36615	21.449	ug/l	95
46) Dibromomethane	6.09	93	25858	22.947	ug/l	91
47) Bromodichloromethane	6.39	83	65191	22.655	ug/l	94
48) Methyl methacrylate	6.72	41	20645	21.504	ug/l	94
49) 1,4-Dioxane	6.72	88	4003	445.824	ug/l	92
51) 4-Methyl-2-Pentanone	8.27	43	120002	114.377	ug/l	97
52) Toluene	7.62	92	95558	21.737	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	54302	23.561	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	64785	21.640	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	27767	22.107	ug/l	93
56) Ethyl methacrylate	8.62	69	26866	18.834	ug/l	96
57) 1,3-Dichloropropane	8.86	76	48735	22.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	15049	115.487	ug/l	100
59) 2-Hexanone	9.50	43	79669	108.051	ug/l	99
60) Dibromochloromethane	8.72	129	41201	23.016	ug/l	92
61) 1,2-Dibromoethane	9.00	107	30214	22.872	ug/l	99
64) Tetrachloroethene	8.16	164	42033	22.438	ug/l	96
65) Chlorobenzene	9.80	112	103468	21.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	48354	23.224	ug/l	95
67) Ethyl Benzene	9.91	91	194475	21.613	ug/l	98
68) m/p-Xylenes	10.14	106	153913	47.865	ug/l	89
69) o-Xylene	10.72	106	81693	22.597	ug/l	97
70) Styrene	10.79	104	114059	23.247	ug/l	94
71) Bromoform	10.78	173	21960	23.455	ug/l	96
73) Isopropylbenzene	11.13	105	256256	22.979	ug/l	96
74) N-amyl acetate	11.37	43	54964	21.651	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	42183	22.880	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	29334	21.423	ug/l	92
77) Bromobenzene	11.50	156	51861	22.342	ug/l	96
78) n-propylbenzene	11.60	91	300439	23.100	ug/l	96
79) 2-Chlorotoluene	11.73	91	167900	22.212	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	212524	24.005	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	14141m	21.021	ug/l	
82) 4-Chlorotoluene	11.91	91	167208	21.592	ug/l	100
83) tert-Butylbenzene	12.13	119	215383	22.912	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	206857	22.592	ug/l	95
85) sec-Butylbenzene	12.31	105	292806	22.962	ug/l	95
86) p-Isopropyltoluene	12.47	119	244239	22.933	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	105186	22.770	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103004	23.201	ug/l	95
89) n-Butylbenzene	12.85	91	255325	23.492	ug/l	92
90) Hexachloroethane	12.92	117	58947	22.629	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	99477	22.871	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7643	22.056	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72487	23.187	ug/l	92
94) Hexachlorobutadiene	14.19	225	46526	22.775	ug/l	99
95) Naphthalene	14.46	128	122915	21.548	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	64427	22.303	ug/l	98

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

