

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060783.D
 Acq On : 19 Nov 2018 18:06
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Manual Integrations
 APPROVED

apatel
 11/20/2018 12:02:26 PM

Quant Time: Nov 20 02:51:32 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	146822	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	259811	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	240018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	136939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	85153	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	4.12	113	96160	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.56	98	253099	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.41	95	132257	57.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	64403	24.510	ug/l	96
3) Chloromethane	1.10	50	37247	22.857	ug/l #	88
4) Vinyl Chloride	1.15	62	34113	23.401	ug/l	89
5) Bromomethane	1.33	94	24444	26.398	ug/l	93
6) Chloroethane	1.37	64	13829	24.247	ug/l	97
7) Trichlorofluoromethane	1.49	101	78506	24.354	ug/l	98
8) Diethyl Ether	1.64	74	8795	21.294	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	39486	25.993	ug/l	95
10) Methyl Iodide	1.89	142	58426	23.971	ug/l	91
11) Tert butyl alcohol	2.58	59	8668	113.729	ug/l	97
12) 1,1-Dichloroethene	1.78	96	28170	23.518	ug/l	98
13) Acrolein	2.01	56	6916	99.242	ug/l	83
14) Allyl chloride	2.10	41	47697	22.730	ug/l	96
15) Acrylonitrile	2.95	53	18816	115.858	ug/l	86
16) Acetone	2.25	43	40520	113.200	ug/l	99
17) Carbon Disulfide	1.82	76	84135m	23.240	ug/l	
18) Methyl Acetate	2.35	43	15292	26.017	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	63998	22.271	ug/l	95
20) Methylene Chloride	2.19	84	29607	23.363	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	29747	23.770	ug/l	83
22) Diisopropyl ether	2.81	45	91384	22.556	ug/l	97
23) Vinyl Acetate	3.19	43	219296	114.949	ug/l	100
24) 1,1-Dichloroethane	2.88	63	60218	24.551	ug/l	99
25) 2-Butanone	4.34	43	62534	106.212	ug/l	92
26) 2,2-Dichloropropane	3.60	77	46959	24.329	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	44798	21.043	ug/l	98
28) Bromochloromethane	3.73	49	29799	23.377	ug/l	86
29) Tetrahydrofuran	4.08	42	27281	112.334	ug/l	94
30) Chloroform	3.86	83	88119	22.392	ug/l	92
31) Cyclohexane	3.70	56	61658	20.712	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	73500	23.717	ug/l	94
36) 1,1-Dichloropropene	4.29	75	65649	21.787	ug/l	95
37) Ethyl Acetate	4.12	43	25580	22.834	ug/l #	84
38) Carbon Tetrachloride	3.99	117	67732	23.166	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	74541	21.323	ug/l	93
40) Benzene	4.64	78	142352	21.193	ug/l	97
41) Methacrylonitrile	4.74	41	14358	21.578	ug/l	95
42) 1,2-Dichloroethane	4.95	62	51930	22.373	ug/l	99
43) Isopropyl Acetate	6.97	43	30727	20.688	ug/l #	97
44) Trichloroethene	5.51	130	45588	21.512	ug/l	97
45) 1,2-Dichloropropane	6.24	63	37032	21.187	ug/l	92
46) Dibromomethane	6.09	93	23805	20.633	ug/l	95
47) Bromodichloromethane	6.39	83	63664	21.608	ug/l	97
48) Methyl methacrylate	6.73	41	19465	19.802	ug/l	98
49) 1,4-Dioxane	6.72	88	3850	418.781	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	118300	110.125	ug/l	98
52) Toluene	7.63	92	95652	21.251	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	49102	20.808	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	66044	21.546	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	26173	20.352	ug/l #	85
56) Ethyl methacrylate	8.63	69	31349	21.464	ug/l	91
57) 1,3-Dichloropropane	8.87	76	50301	22.569	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	15488	116.084	ug/l	100
59) 2-Hexanone	9.50	43	93835	124.295	ug/l	96
60) Dibromochloromethane	8.73	129	39233	21.405	ug/l	97
61) 1,2-Dibromoethane	8.99	107	29295	21.659	ug/l	98
64) Tetrachloroethene	8.16	164	40645	21.385	ug/l	95
65) Chlorobenzene	9.80	112	100531	20.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	46082	21.814	ug/l	97
67) Ethyl Benzene	9.91	91	205682	22.529	ug/l	100
68) m/p-Xylenes	10.14	106	146136	44.791	ug/l	85
69) o-Xylene	10.72	106	83879	22.867	ug/l	97
70) Styrene	10.80	104	115746	23.251	ug/l	99
71) Bromoform	10.78	173	21324	22.447	ug/l	96
73) Isopropylbenzene	11.13	105	248061	22.505	ug/l	98
74) N-amyl acetate	11.38	43	62198	24.787	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	41452	22.746	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	30233	22.338	ug/l	99
77) Bromobenzene	11.50	156	48765	21.254	ug/l	90
78) n-propylbenzene	11.60	91	301557	23.457	ug/l	95
79) 2-Chlorotoluene	11.73	91	169917	22.741	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	204403	23.358	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	13484m	20.279	ug/l	
82) 4-Chlorotoluene	11.90	91	169222	22.108	ug/l	98
83) tert-Butylbenzene	12.13	119	215479	23.191	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	191899	21.203	ug/l	93
85) sec-Butylbenzene	12.31	105	278737	22.115	ug/l	94
86) p-Isopropyltoluene	12.47	119	240064	22.805	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	104721	22.935	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	96580	22.008	ug/l	94
89) n-Butylbenzene	12.85	91	241497	22.480	ug/l	94
90) Hexachloroethane	12.92	117	53772	20.884	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	96106	22.354	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6829	19.938	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70174	22.710	ug/l	93
94) Hexachlorobutadiene	14.19	225	45501	22.534	ug/l	98
95) Naphthalene	14.46	128	127864	22.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60530	21.199	ug/l	94

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

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