

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061454.D
 Acq On : 18 Jan 2019 12:42
 Operator : VA/AP
 Sample : VF0118SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:11:09 AM

Quant Time: Jan 19 04:18:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	196389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	330314	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	309544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	154297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118051	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
35) Dibromofluoromethane	4.10	113	141187	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
50) Toluene-d8	7.54	98	394820	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	11.41	95	170515	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	72170	18.703	ug/l	86
3) Chloromethane	1.09	50	55836	19.734	ug/l	92
4) Vinyl Chloride	1.13	62	50684	20.138	ug/l	93
5) Bromomethane	1.31	94	30466	18.563	ug/l	98
6) Chloroethane	1.39	64	21523	19.299	ug/l #	84
7) Trichlorofluoromethane	1.46	101	88013m	17.988	ug/l	
8) Diethyl Ether	1.62	74	12596	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45276	19.258	ug/l	88
10) Methyl Iodide	1.90	142	70127m	19.240	ug/l	
11) Tert butyl alcohol	2.56	59	10037	97.796	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	36157	20.700	ug/l	94
13) Acrolein	1.99	56	4971	64.244	ug/l	90
14) Allyl chloride	2.09	41	48798	23.024	ug/l	93
15) Acrylonitrile	2.92	53	28234	107.398	ug/l	100
16) Acetone	2.22	43	56028	115.185	ug/l	99
17) Carbon Disulfide	1.80	76	106460m	19.547	ug/l	
18) Methyl Acetate	2.33	43	20358	21.104	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	70287	17.951	ug/l	97
20) Methylene Chloride	2.17	84	38922m	22.610	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36214	18.844	ug/l	88
22) Diisopropyl ether	2.79	45	132745	21.356	ug/l	99
23) Vinyl Acetate	3.17	43	301111	111.921	ug/l	99
24) 1,1-Dichloroethane	2.86	63	75611	19.381	ug/l	99
25) 2-Butanone	4.32	43	87095	107.672	ug/l	93
26) 2,2-Dichloropropane	3.59	77	46569	19.429	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	60632	21.373	ug/l	95
28) Bromochloromethane	3.70	49	33180	18.921	ug/l #	92
29) Tetrahydrofuran	4.07	42	34970	100.401	ug/l	97
30) Chloroform	3.84	83	104726	19.891	ug/l	100
31) Cyclohexane	3.67	56	84565m	21.700	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	72297	18.728	ug/l	93
36) 1,1-Dichloropropene	4.27	75	79683	20.806	ug/l	99
37) Ethyl Acetate	4.09	43	31779	20.758	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65667	19.613	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	89217	21.496	ug/l	97
40) Benzene	4.61	78	184175	21.612	ug/l	99
41) Methacrylonitrile	4.73	41	18782	23.057	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	60203	19.825	ug/l	100
43) Isopropyl Acetate	6.95	43	38901	20.246	ug/l #	97
44) Trichloroethene	5.49	130	59272	22.673	ug/l	95
45) 1,2-Dichloropropane	6.22	63	46198	20.655	ug/l	98
46) Dibromomethane	6.08	93	29262	19.676	ug/l	97
47) Bromodichloromethane	6.38	83	75771	20.592	ug/l	97
48) Methyl methacrylate	6.70	41	25671	19.897	ug/l	94
49) 1,4-Dioxane	6.69	88	3991	401.601	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	150770	106.738	ug/l	99
52) Toluene	7.61	92	119430	21.281	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	60407	20.674	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	82543	22.600	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	33912	21.279	ug/l	97
56) Ethyl methacrylate	8.61	69	35783	19.299	ug/l	95
57) 1,3-Dichloropropane	8.84	76	61158	20.474	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	21576	126.275	ug/l	94
59) 2-Hexanone	9.48	43	118120	119.921	ug/l	93
60) Dibromochloromethane	8.71	129	47269	20.288	ug/l	99
61) 1,2-Dibromoethane	8.97	107	34373	18.841	ug/l	90
64) Tetrachloroethene	8.14	164	48232	20.720	ug/l	94
65) Chlorobenzene	9.79	112	134382	21.348	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	51916	20.703	ug/l	95
67) Ethyl Benzene	9.89	91	239184	20.797	ug/l	100
68) m/p-Xylenes	10.13	106	179900	43.491	ug/l	99
69) o-Xylene	10.71	106	98109	21.884	ug/l	93
70) Styrene	10.78	104	134455	21.910	ug/l	99
71) Bromoform	10.77	173	23379	20.750	ug/l #	96
73) Isopropylbenzene	11.12	105	285287	22.733	ug/l	98
74) N-amyl acetate	11.37	43	69872	23.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	47017	21.031	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	33642	20.943	ug/l	87
77) Bromobenzene	11.49	156	54818	20.684	ug/l	86
78) n-propylbenzene	11.59	91	349370	21.422	ug/l	97
79) 2-Chlorotoluene	11.71	91	189689	21.785	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	230967	22.806	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	15129m	21.665	ug/l	
82) 4-Chlorotoluene	11.89	91	192214	21.876	ug/l	100
83) tert-Butylbenzene	12.13	119	232259	22.158	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	222528	21.332	ug/l	94
85) sec-Butylbenzene	12.30	105	330764	23.236	ug/l	93
86) p-Isopropyltoluene	12.45	119	268532	22.980	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	112559	20.218	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107395	21.444	ug/l	94
89) n-Butylbenzene	12.84	91	290495	24.105	ug/l	95
90) Hexachloroethane	12.91	117	62590	22.722	ug/l	82
91) 1,2-Dichlorobenzene	12.94	146	104711	21.120	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6927	17.469	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72558	20.891	ug/l	95
94) Hexachlorobutadiene	14.19	225	45891	21.294	ug/l	96
95) Naphthalene	14.46	128	124299	18.837	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	63515	19.756	ug/l	98

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

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