

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061037.D
 Acq On : 17 Dec 2018 13:18
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:15 PM

Quant Time: Dec 18 03:25:00 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	4.88	168	180706	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	300618	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	266851	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	142307	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	111808	52.52	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.04%	
35) Dibromofluoromethane	4.12	113	122779	51.48	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.96%	
50) Toluene-d8	7.57	98	341245	48.57	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.42	95	157630	49.37	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	53994	19.984	ug/l	96
3) Chloromethane	1.11	50	41019	23.330	ug/l	93
4) Vinyl Chloride	1.14	62	39380	24.012	ug/l	89
5) Bromomethane	1.31	94	25156	21.753	ug/l	85
6) Chloroethane	1.39	64	17908	25.261	ug/l	97
7) Trichlorofluoromethane	1.48	101	82197	23.360	ug/l #	80
8) Diethyl Ether	1.64	74	11365	22.461	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42850	24.088	ug/l	97
10) Methyl Iodide	1.90	142	66871m	24.731	ug/l	
11) Tert butyl alcohol	2.59	59	10031	114.950	ug/l	100
12) 1,1-Dichloroethene	1.80	96	33403	23.345	ug/l	91
13) Acrolein	2.02	56	5744	69.473	ug/l	93
14) Allyl chloride	2.10	41	40330	22.614	ug/l	95
15) Acrylonitrile	2.95	53	23880	122.062	ug/l	93
16) Acetone	2.25	43	49378	125.785	ug/l	97
17) Carbon Disulfide	1.84	76	91734m	23.911	ug/l	
18) Methyl Acetate	2.36	43	19368	28.705	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	73613	22.842	ug/l	96
20) Methylene Chloride	2.26	84	35290m	24.505	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	32589m	23.625	ug/l	
22) Diisopropyl ether	2.81	45	113907	23.465	ug/l	93
23) Vinyl Acetate	3.20	43	258177	116.348	ug/l	97
24) 1,1-Dichloroethane	2.88	63	72698	25.171	ug/l	98
25) 2-Butanone	4.35	43	81965	120.716	ug/l	97
26) 2,2-Dichloropropane	3.61	77	46029	24.582	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	58296	25.958	ug/l	88
28) Bromochloromethane	3.73	49	32353	23.341	ug/l	90
29) Tetrahydrofuran	4.09	42	32815	114.015	ug/l	96
30) Chloroform	3.88	83	98711	22.207	ug/l	98
31) Cyclohexane	3.71	56	69351	23.137	ug/l #	92
32) 1,1,1-Trichloroethane	4.11	97	72180	23.414	ug/l	96
36) 1,1-Dichloropropene	4.29	75	77043	23.106	ug/l	98
37) Ethyl Acetate	4.13	43	32728	24.154	ug/l #	87
38) Carbon Tetrachloride	4.01	117	63859	21.683	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	76101	21.778	ug/l	94
40) Benzene	4.65	78	174513	23.691	ug/l	95
41) Methacrylonitrile	4.77	41	16066	20.621	ug/l	88
42) 1,2-Dichloroethane	4.96	62	59126	21.986	ug/l	94
43) Isopropyl Acetate	6.97	43	38082	21.213	ug/l #	82
44) Trichloroethene	5.52	130	51403	21.342	ug/l	99
45) 1,2-Dichloropropane	6.25	63	43897	22.945	ug/l	91
46) Dibromomethane	6.10	93	27593	21.261	ug/l	97
47) Bromodichloromethane	6.40	83	77853	22.586	ug/l	97
48) Methyl methacrylate	6.74	41	27102	22.097	ug/l	98
49) 1,4-Dioxane	6.74	88	3604	401.497	ug/l #	80
51) 4-Methyl-2-Pentanone	8.28	43	139985	112.031	ug/l	97
52) Toluene	7.65	92	114917	22.210	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	59850	21.346	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	79429	22.883	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	31022	20.576	ug/l	91
56) Ethyl methacrylate	8.63	69	38408	22.932	ug/l	98
57) 1,3-Dichloropropane	8.87	76	59741	22.648	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.31	63	33013	192.706	ug/l	91
59) 2-Hexanone	9.51	43	105221	120.031	ug/l	96
60) Dibromochloromethane	8.73	129	46336	20.627	ug/l	99
61) 1,2-Dibromoethane	9.01	107	34186	20.989	ug/l	98
64) Tetrachloroethene	8.17	164	48611	23.850	ug/l	95
65) Chlorobenzene	9.82	112	123688	23.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	53010	23.753	ug/l	93
67) Ethyl Benzene	9.91	91	239012	24.731	ug/l	99
68) m/p-Xylenes	10.15	106	165994	47.755	ug/l	96
69) o-Xylene	10.72	106	89845	23.440	ug/l	85
70) Styrene	10.80	104	128726	24.227	ug/l	96
71) Bromoform	10.78	173	24461	22.691	ug/l #	90
73) Isopropylbenzene	11.14	105	285633	25.399	ug/l	97
74) N-amyl acetate	11.38	43	62775	24.174	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	45434	24.548	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	32521	24.174	ug/l	97
77) Bromobenzene	11.51	156	57187	23.195	ug/l	92
78) n-propylbenzene	11.61	91	320742	24.354	ug/l	97
79) 2-Chlorotoluene	11.73	91	182885	24.219	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	216653	23.731	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	6793	10.306	ug/l	100
82) 4-Chlorotoluene	11.91	91	203438	25.600	ug/l	97
83) tert-Butylbenzene	12.14	119	238323	25.627	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	217931	23.918	ug/l	97
85) sec-Butylbenzene	12.32	105	306498	24.076	ug/l	99
86) p-Isopropyltoluene	12.47	119	256817	24.062	ug/l	100
87) 1,3-Dichlorobenzene	12.49	146	105026	22.395	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	105880	23.167	ug/l	99
89) n-Butylbenzene	12.85	91	270225	25.038	ug/l	98
90) Hexachloroethane	12.93	117	59585	23.183	ug/l	83
91) 1,2-Dichlorobenzene	12.95	146	105165	23.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7446	20.808	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	72875	23.484	ug/l	95
94) Hexachlorobutadiene	14.21	225	50123	24.230	ug/l	95
95) Naphthalene	14.47	128	129469	19.351	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	66794	23.181	ug/l	97

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

