

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060935.D
 Acq On : 7 Dec 2018 17:38
 Operator : VA/AP
 Sample : VF1207SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:38:01 PM

Quant Time: Dec 08 03:39:59 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	4.86	168	187196	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	315584	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	308698	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	154247	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	123529	56.02	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	4.10	113	128722	51.41	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	7.54	98	358272	48.58	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.40	95	169234	50.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	62997	22.507	ug/l	97
3) Chloromethane	1.11	50	41553	22.815	ug/l	91
4) Vinyl Chloride	1.14	62	41529	24.445	ug/l	99
5) Bromomethane	1.32	94	26444	22.074	ug/l	99
6) Chloroethane	1.38	64	17756	24.178	ug/l	90
7) Trichlorofluoromethane	1.47	101	89928m	24.671	ug/l	
8) Diethyl Ether	1.62	74	11958	22.813	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42338	22.975	ug/l	99
10) Methyl Iodide	1.91	142	64977m	23.197	ug/l	
11) Tert butyl alcohol	2.57	59	11748	129.959	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33311	22.474	ug/l	93
13) Acrolein	1.99	56	7695	89.844	ug/l	99
14) Allyl chloride	2.08	41	37791	20.456	ug/l	90
15) Acrylonitrile	2.92	53	23173	114.342	ug/l	92
16) Acetone	2.23	43	53900	132.544	ug/l	99
17) Carbon Disulfide	1.83	76	91137	22.932	ug/l	99
18) Methyl Acetate	2.33	43	19090	27.229	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	74435	22.297	ug/l	98
20) Methylene Chloride	2.25	84	35948m	24.096	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	33826m	23.671	ug/l	
22) Diisopropyl ether	2.79	45	120580	23.978	ug/l	96
23) Vinyl Acetate	3.17	43	284330	123.691	ug/l	97
24) 1,1-Dichloroethane	2.85	63	68808	22.998	ug/l	99
25) 2-Butanone	4.32	43	87145	123.896	ug/l	95
26) 2,2-Dichloropropane	3.58	77	43844	22.603	ug/l	100
27) cis-1,2-Dichloroethene	3.45	96	54128	23.267	ug/l	86
28) Bromochloromethane	3.70	49	32188	22.417	ug/l	88
29) Tetrahydrofuran	4.06	42	36225	121.499	ug/l	98
30) Chloroform	3.84	83	111209	24.151	ug/l	96
31) Cyclohexane	3.67	56	71139m	22.911	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	65279	20.441	ug/l	93
36) 1,1-Dichloropropene	4.26	75	84919	24.260	ug/l	98
37) Ethyl Acetate	4.10	43	33206	23.344	ug/l #	87
38) Carbon Tetrachloride	3.97	117	65883	21.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	83730m	22.825	ug/l	
40) Benzene	4.61	78	183128	23.681	ug/l	96
41) Methacrylonitrile	4.73	41	18010	22.306	ug/l #	90
42) 1,2-Dichloroethane	4.92	62	65367	23.154	ug/l	96
43) Isopropyl Acetate	6.95	43	40112	21.294	ug/l #	95
44) Trichloroethene	5.49	130	56902	22.505	ug/l	98
45) 1,2-Dichloropropane	6.22	63	46853	23.329	ug/l	95
46) Dibromomethane	6.07	93	30961	22.725	ug/l	93
47) Bromodichloromethane	6.36	83	80063	22.126	ug/l	98
48) Methyl methacrylate	6.70	41	26740	20.768	ug/l	93
49) 1,4-Dioxane	6.70	88	3868	410.472	ug/l #	79
51) 4-Methyl-2-Pentanone	8.24	43	146710	111.845	ug/l	97
52) Toluene	7.61	92	119202	21.945	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	67233	22.842	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	84925	23.307	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36413	23.006	ug/l	95
56) Ethyl methacrylate	8.60	69	39249	22.323	ug/l	99
57) 1,3-Dichloropropane	8.84	76	63971	23.102	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	27141	150.916	ug/l	97
59) 2-Hexanone	9.47	43	103453	112.418	ug/l	93
60) Dibromochloromethane	8.70	129	50641	21.474	ug/l	100
61) 1,2-Dibromoethane	8.97	107	38175	22.327	ug/l	94
64) Tetrachloroethene	8.14	164	46545	19.741	ug/l	88
65) Chlorobenzene	9.78	112	134354	22.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	56511	21.889	ug/l	98
67) Ethyl Benzene	9.89	91	251492	22.494	ug/l	100
68) m/p-Xylenes	10.11	106	176697	43.943	ug/l	100
69) o-Xylene	10.69	106	96433	21.748	ug/l	94
70) Styrene	10.77	104	137684	22.400	ug/l	98
71) Bromoform	10.75	173	25625	20.549	ug/l #	93
73) Isopropylbenzene	11.11	105	290581	23.839	ug/l	99
74) N-amyl acetate	11.36	43	64896	23.056	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.68	83	48934	24.392	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	37684m	25.843	ug/l	
77) Bromobenzene	11.48	156	60609	22.680	ug/l	87
78) n-propylbenzene	11.58	91	344543	24.137	ug/l	99
79) 2-Chlorotoluene	11.71	91	189564	23.160	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	232455	23.491	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	16414m	22.974	ug/l	
82) 4-Chlorotoluene	11.89	91	198249	23.016	ug/l	95
83) tert-Butylbenzene	12.12	119	247713	24.575	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	229832	23.272	ug/l	95
85) sec-Butylbenzene	12.29	105	338115	24.503	ug/l	98
86) p-Isopropyltoluene	12.45	119	275068	23.777	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	113889	22.405	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	109019	22.007	ug/l	95
89) n-Butylbenzene	12.84	91	276372	23.626	ug/l	97
90) Hexachloroethane	12.90	117	65386	23.471	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	113083	23.491	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8982	23.158	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82411	24.501	ug/l	97
94) Hexachlorobutadiene	14.18	225	50869	22.687	ug/l	99
95) Naphthalene	14.44	128	133212	18.178	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	71058	22.752	ug/l	99

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

