

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059566.D
 Acq On : 19 Jul 2018 20:29
 Operator : VA/AP
 Sample : VF0719SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Manual Integrations
 APPROVED

apatel
 7/20/2018 11:48:57 AM

Quant Time: Jul 20 05:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	220784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	314866	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	324533	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	226016	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	185981	54.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	4.29	113	149898	54.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.94%	
50) Toluene-d8	7.71	98	343182	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.50	95	201510	55.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	64477	23.84	ug/l	93
3) Chloromethane	1.08	50	27596	18.54	ug/l	95
4) Vinyl Chloride	1.15	62	30372	20.22	ug/l	93
5) Bromomethane	1.34	94	28797	27.67	ug/l	95
6) Chloroethane	1.42	64	19677	25.98	ug/l #	86
7) Trichlorofluoromethane	1.49	101	77524m	21.09	ug/l	
8) Diethyl Ether	1.69	74	14948	21.13	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45934	29.59	ug/l #	88
10) Methyl Iodide	1.96	142	85027	31.29	ug/l	94
11) Tert butyl alcohol	2.68	59	14822	93.73	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	37650	22.81	ug/l	93
13) Acrolein	2.09	56	7852	96.20	ug/l	92
14) Allyl chloride	2.19	41	62110	30.15	ug/l	98
15) Acrylonitrile	3.07	53	28179	97.81	ug/l	97
16) Acetone	2.33	43	61387	103.55	ug/l #	87
17) Carbon Disulfide	1.86	76	97522m	23.06	ug/l	
18) Methyl Acetate	2.44	43	21295	18.39	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	107950	20.85	ug/l	94
20) Methylene Chloride	2.28	84	41280	24.29	ug/l #	68
21) trans-1,2-Dichloroethene	2.41	96	37785	24.76	ug/l	94
22) Diisopropyl ether	2.92	45	121412	20.97	ug/l	94
23) Vinyl Acetate	3.32	43	350081	103.48	ug/l	100
24) 1,1-Dichloroethane	3.00	63	90619	25.35	ug/l	98
25) 2-Butanone	4.50	43	69150	86.74	ug/l	92
26) 2,2-Dichloropropane	3.75	77	67307	28.45	ug/l	90
27) cis-1,2-Dichloroethene	3.64	96	44038	24.79	ug/l	82
28) Bromochloromethane	3.88	49	33506	21.29	ug/l #	99
29) Tetrahydrofuran	4.25	42	31732	83.57	ug/l	92
30) Chloroform	4.03	83	122107	23.64	ug/l	95
31) Cyclohexane	3.86	56	47498	25.65	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	105263	31.36	ug/l	96
36) 1,1-Dichloropropene	4.45	75	74055	23.50	ug/l	95
37) Ethyl Acetate	4.28	43	34855	16.71	ug/l #	1
38) Carbon Tetrachloride	4.16	117	107293m	29.71	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	59213	24.76	ug/l	92
40) Benzene	4.81	78	143935	23.54	ug/l	98
41) Methacrylonitrile	4.91	41	17445	19.30	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	98556	24.54	ug/l	99
43) Isopropyl Acetate	7.11	43	39275	17.34	ug/l #	91
44) Trichloroethene	5.67	130	51928	22.94	ug/l	83
45) 1,2-Dichloropropane	6.40	63	37155	21.89	ug/l	98
46) Dibromomethane	6.25	93	35241	22.80	ug/l #	87
47) Bromodichloromethane	6.54	83	97949	24.62	ug/l	98
48) Methyl methacrylate	6.87	41	28090	17.37	ug/l	98
49) 1,4-Dioxane	6.86	88	2803	345.95	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	145769	90.80	ug/l	94
52) Toluene	7.78	92	100366	22.63	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	82513	22.55	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	79990	21.95	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	39886	23.21	ug/l	93
56) Ethyl methacrylate	8.75	69	37767	17.73	ug/l #	84
57) 1,3-Dichloropropane	9.00	76	66512	21.89	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	22546	119.85	ug/l	100
59) 2-Hexanone	9.63	43	108550	89.47	ug/l	97
60) Dibromochloromethane	8.86	129	66667	23.02	ug/l	99
61) 1,2-Dibromoethane	9.13	107	45911	21.54	ug/l	89
64) Tetrachloroethene	8.30	164	55797	23.09	ug/l	94
65) Chlorobenzene	9.94	112	134287	22.06	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	64828	23.38	ug/l	95
67) Ethyl Benzene	10.03	91	253627	23.41	ug/l	100
68) m/p-Xylenes	10.26	106	184742	48.31	ug/l	91
69) o-Xylene	10.82	106	96284	23.65	ug/l	95
70) Styrene	10.90	104	148657	23.75	ug/l	98
71) Bromoform	10.88	173	40600	21.08	ug/l	95
73) Isopropylbenzene	11.23	105	300390	21.06	ug/l	97
74) N-amyl acetate	11.46	43	63412	13.88	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	55343	17.79	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	48266	19.00	ug/l	96
77) Bromobenzene	11.59	156	79988	20.01	ug/l	90
78) n-propylbenzene	11.69	91	358103	21.89	ug/l	99
79) 2-Chlorotoluene	11.81	91	210914	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	269765	22.57	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	19207m	16.55	ug/l	
82) 4-Chlorotoluene	11.99	91	241934	21.43	ug/l	99
83) tert-Butylbenzene	12.21	119	259955	22.66	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	284788	23.16	ug/l	93
85) sec-Butylbenzene	12.39	105	348688	23.90	ug/l	99
86) p-Isopropyltoluene	12.54	119	302035	23.80	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	154218	22.49	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	152835	22.62	ug/l	95
89) n-Butylbenzene	12.91	91	299186	25.19	ug/l	95
90) Hexachloroethane	12.99	117	72329	25.09	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	151911	23.16	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11944	16.95	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107950	27.09	ug/l	98
94) Hexachlorobutadiene	14.25	225	68942	33.77	ug/l	98
95) Naphthalene	14.52	128	175162	21.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100886	28.02	ug/l	97

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

