

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059546.D
 Acq On : 19 Jul 2018 8:13
 Operator : VA/AP
 Sample : VF0719SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Manual Integrations
 APPROVED

apatel
 7/19/2018 3:17:19 PM

Quant Time: Jul 19 08:49:40 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	5.04	168	215371	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	341875	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	337449	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223154	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190222	56.79	ug/l	-0.02
Spiked Amount 50.000			Recovery =	113.58%		
35) Dibromofluoromethane	4.28	113	156407	52.82	ug/l	-0.02
Spiked Amount 50.000			Recovery =	105.64%		
50) Toluene-d8	7.70	98	349086	46.80	ug/l	-0.02
Spiked Amount 50.000			Recovery =	93.60%		
62) 4-Bromofluorobenzene	11.51	95	204779	52.34	ug/l	-0.01
Spiked Amount 50.000			Recovery =	104.68%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	57870	21.93	ug/l	95
3) Chloromethane	1.09	50	29779	20.51	ug/l	97
4) Vinyl Chloride	1.15	62	33973	23.19	ug/l	92
5) Bromomethane	1.33	94	27141	26.73	ug/l	94
6) Chloroethane	1.42	64	20020	27.10	ug/l #	83
7) Trichlorofluoromethane	1.48	101	73615m	20.53	ug/l	
8) Diethyl Ether	1.70	74	15882	23.02	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44645	29.49	ug/l	93
10) Methyl Iodide	1.96	142	80597	30.41	ug/l	93
11) Tert butyl alcohol	2.67	59	17615	117.38	ug/l #	83
12) 1,1-Dichloroethene	1.86	96	37435	23.25	ug/l	93
13) Acrolein	2.08	56	7874	100.76	ug/l	90
14) Allyl chloride	2.18	41	61317	30.51	ug/l #	80
15) Acrylonitrile	3.07	53	34065	121.22	ug/l	91
16) Acetone	2.33	43	68468	122.84	ug/l	98
17) Carbon Disulfide	1.84	76	99120m	24.02	ug/l	
18) Methyl Acetate	2.45	43	36938m	35.21	ug/l	
19) Methyl tert-butyl Ether	2.53	73	117703	23.30	ug/l	97
20) Methylene Chloride	2.27	84	43463m	26.62	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	38315	25.74	ug/l	95
22) Diisopropyl ether	2.92	45	124494	22.04	ug/l	95
23) Vinyl Acetate	3.32	43	313531	95.00	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	90258	25.88	ug/l	98
25) 2-Butanone	4.51	43	82571	106.18	ug/l	96
26) 2,2-Dichloropropane	3.75	77	53462	23.17	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	47123	27.20	ug/l	93
28) Bromochloromethane	3.88	49	34888	22.73	ug/l	99
29) Tetrahydrofuran	4.24	42	37956	107.76	ug/l	99
30) Chloroform	4.02	83	123442	24.50	ug/l	96
31) Cyclohexane	3.85	56	49696	27.51	ug/l	89
32) 1,1,1-Trichloroethane	4.26	97	101043	30.86	ug/l	90
36) 1,1-Dichloropropene	4.45	75	69829	20.41	ug/l	91
37) Ethyl Acetate	4.28	43	38258	16.97	ug/l #	9
38) Carbon Tetrachloride	4.16	117	103021m	26.27	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	63746	24.55	ug/l	95
40) Benzene	4.80	78	140883	21.22	ug/l	97
41) Methacrylonitrile	4.90	41	19412	19.78	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	101806	23.35	ug/l	96
43) Isopropyl Acetate	7.10	43	45396	18.46	ug/l #	95
44) Trichloroethene	5.66	130	54095	22.01	ug/l	94
45) 1,2-Dichloropropane	6.39	63	38755	21.03	ug/l #	88
46) Dibromomethane	6.24	93	36685	21.86	ug/l	94
47) Bromodichloromethane	6.54	83	97373	22.54	ug/l	98
48) Methyl methacrylate	6.87	41	33506	19.08	ug/l	91
49) 1,4-Dioxane	6.87	88	4750	560.92	ug/l #	61
51) 4-Methyl-2-Pentanone	8.40	43	178847	102.61	ug/l	98
52) Toluene	7.77	92	102442	21.28	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	84335	21.23	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	80215	20.28	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	43765	23.46	ug/l	98
56) Ethyl methacrylate	8.76	69	43815	18.94	ug/l	99
57) 1,3-Dichloropropane	8.99	76	72235	21.90	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.77	63	23388	114.51	ug/l	100
59) 2-Hexanone	9.62	43	132415	100.52	ug/l	95
60) Dibromochloromethane	8.85	129	68962	21.94	ug/l	98
61) 1,2-Dibromoethane	9.13	107	52297	22.59	ug/l	97
64) Tetrachloroethene	8.29	164	61087	24.31	ug/l	98
65) Chlorobenzene	9.93	112	143620	22.69	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	63406	22.00	ug/l	91
67) Ethyl Benzene	10.03	91	249791	22.17	ug/l	98
68) m/p-Xylenes	10.26	106	180935	45.51	ug/l	99
69) o-Xylene	10.83	106	94434	22.31	ug/l	95
70) Styrene	10.90	104	153128	23.53	ug/l	96
71) Bromoform	10.89	173	42888	21.42	ug/l	98
73) Isopropylbenzene	11.22	105	298502	21.20	ug/l	99
74) N-amyl acetate	11.46	43	78408	17.39	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	64692	21.06	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	53368	21.28	ug/l	96
77) Bromobenzene	11.59	156	80020	20.27	ug/l	74
78) n-propylbenzene	11.68	91	353479	21.88	ug/l	99
79) 2-Chlorotoluene	11.80	91	221130	22.23	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	265073	22.47	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	20339m	17.75	ug/l	
82) 4-Chlorotoluene	11.98	91	229053	20.55	ug/l	99
83) tert-Butylbenzene	12.21	119	254398	22.46	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	273890	22.56	ug/l	98
85) sec-Butylbenzene	12.38	105	335782	23.31	ug/l	95
86) p-Isopropyltoluene	12.53	119	274955	21.94	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	145864	21.54	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	143527	21.51	ug/l	94
89) n-Butylbenzene	12.92	91	272420	23.23	ug/l	98
90) Hexachloroethane	12.99	117	67349	23.66	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	143303	22.13	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14825	21.31	ug/l	86

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93) 1,2,4-Trichlorobenzene	14.27	180	102369	26.01	µg/l	94
94) Hexachlorobutadiene	14.26	225	59855	29.69	µg/l	96
95) Naphthalene	14.52	128	191678	23.45	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	97477	27.42	µg/l	96

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

