

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059703.D
 Acq On : 31 Jul 2018 12:24
 Operator : VA/AP
 Sample : VF0731SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS01

Manual Integrations
 APPROVED

apatel
 8/1/2018 2:08:29 PM

Quant Time: Jul 31 13:21:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	188626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	266588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	241159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	163443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163269	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.29	113	140360	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.71	98	309393	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.51	95	165789	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.99	85	3241m	Below Cal	
3) Chloromethane	1.08	50	7843	2.483 ug/l #	84
4) Vinyl Chloride	1.16	62	9807	5.098 ug/l	94
5) Bromomethane	1.33	94	11971m	9.033 ug/l	
6) Chloroethane	1.42	64	10732	11.772 ug/l	90
7) Trichlorofluoromethane	1.53	101	51606m	14.650 ug/l	
8) Diethyl Ether	1.70	74	10175	16.893 ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.90	101	34589	18.748 ug/l	98
10) Methyl Iodide	1.96	142	56400m	19.395 ug/l	
11) Tert butyl alcohol	2.67	59	14968	108.681 ug/l #	92
12) 1,1-Dichloroethene	1.86	96	27784	19.020 ug/l	78
13) Acrolein	2.08	56	3904	67.090 ug/l	85
14) Allyl chloride	2.18	41	50515	21.659 ug/l	89
15) Acrylonitrile	3.08	53	23598	107.772 ug/l #	90
16) Acetone	2.33	43	63784	104.605 ug/l	97
17) Carbon Disulfide	1.84	76	58672m	15.866 ug/l	
18) Methyl Acetate	2.45	43	17827	15.400 ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	90007	20.205 ug/l	95
20) Methylene Chloride	2.27	84	30439m	18.405 ug/l	
21) trans-1,2-Dichloroethene	2.41	96	30594	22.525 ug/l	97
22) Diisopropyl ether	2.92	45	104437	21.175 ug/l	99
23) Vinyl Acetate	3.33	43	283969	111.989 ug/l	100
24) 1,1-Dichloroethane	3.00	63	74298	21.683 ug/l	99
25) 2-Butanone	4.51	43	69829	102.616 ug/l #	81
26) 2,2-Dichloropropane	3.76	77	54481	22.304 ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	41959	22.867 ug/l	81
28) Bromochloromethane	3.89	49	31708	24.207 ug/l #	72
29) Tetrahydrofuran	4.25	42	26455	101.150 ug/l #	93
30) Chloroform	4.03	83	102900	21.278 ug/l	95
31) Cyclohexane	3.86	56	40336	21.978 ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	83352	22.220 ug/l	95
36) 1,1-Dichloropropene	4.45	75	60423	20.019 ug/l	94
37) Ethyl Acetate	4.29	43	27231	17.451 ug/l #	66
38) Carbon Tetrachloride	4.16	117	90724	21.404 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	54604	24.306	ug/l	95
40) Benzene	4.80	78	115981	21.543	ug/l	99
41) Methacrylonitrile	4.92	41	15530	21.543	ug/l #	94
42) 1,2-Dichloroethane	5.12	62	79125	21.001	ug/l	99
43) Isopropyl Acetate	7.11	43	31234	19.594	ug/l #	97
44) Trichloroethene	5.67	130	47894	23.763	ug/l	93
45) 1,2-Dichloropropane	6.40	63	31619	22.239	ug/l	98
46) Dibromomethane	6.25	93	27611	20.455	ug/l	89
47) Bromodichloromethane	6.55	83	78902	21.465	ug/l #	99
48) Methyl methacrylate	6.87	41	22645	18.886	ug/l	98
49) 1,4-Dioxane	6.87	88	3838	482.093	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	125792	103.737	ug/l	97
52) Toluene	7.78	92	83814	21.903	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	64871	20.339	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	67214	21.756	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	30966	21.238	ug/l #	89
56) Ethyl methacrylate	8.77	69	28673	18.857	ug/l	93
57) 1,3-Dichloropropane	9.00	76	50937	20.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	17613	100.322	ug/l	100
59) 2-Hexanone	9.63	43	96190	98.988	ug/l	98
60) Dibromochloromethane	8.86	129	54368	21.132	ug/l	94
61) 1,2-Dibromoethane	9.14	107	35547	20.878	ug/l	87
64) Tetrachloroethene	8.30	164	42325	23.672	ug/l	97
65) Chlorobenzene	9.94	112	111539	23.121	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	55011	24.425	ug/l	92
67) Ethyl Benzene	10.04	91	203118	24.335	ug/l	98
68) m/p-Xylenes	10.26	106	143032	50.988	ug/l	94
69) o-Xylene	10.83	106	79727	25.923	ug/l	89
70) Styrene	10.91	104	117803	25.284	ug/l	97
71) Bromoform	10.90	173	33103	22.556	ug/l	99
73) Isopropylbenzene	11.23	105	263039	24.528	ug/l	96
74) N-amyl acetate	11.47	43	52268	19.318	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	45245	22.413	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	37623	21.917	ug/l	94
77) Bromobenzene	11.60	156	61192	21.851	ug/l	93
78) n-propylbenzene	11.68	91	303519	25.118	ug/l	96
79) 2-Chlorotoluene	11.81	91	173161	22.626	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	231613	24.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	21538	30.297	ug/l	88
82) 4-Chlorotoluene	11.99	91	188680	23.396	ug/l	97
83) tert-Butylbenzene	12.22	119	234501	24.358	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	228985	24.190	ug/l	100
85) sec-Butylbenzene	12.38	105	297526	24.402	ug/l	98
86) p-Isopropyltoluene	12.54	119	260393	24.404	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	121922	23.572	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	117525	23.196	ug/l	98
89) n-Butylbenzene	12.92	91	248176	24.445	ug/l	93
90) Hexachloroethane	13.00	117	67209	24.847	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	119834	24.569	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10134	20.535	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	88859	22.309	µg/l	97
94) Hexachlorobutadiene	14.26	225	61037	22.768	µg/l	95
95) Naphthalene	14.52	128	148135	21.022	µg/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	80458	20.657	µg/l	95

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

