

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059723.D
 Acq On : 31 Jul 2018 21:40
 Operator : VA/AP
 Sample : VF0731SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Manual Integrations
 APPROVED

apatel
 8/1/2018 4:29:29 PM

Quant Time: Aug 01 07:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	166355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237191	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	234602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	171698	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	4.28	113	135962	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	7.71	98	275181	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.51	95	158577	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	59387	29.434	ug/l	95
3) Chloromethane	1.08	50	26259	24.691	ug/l	88
4) Vinyl Chloride	1.15	62	28645	26.013	ug/l	100
5) Bromomethane	1.34	94	23774	26.068	ug/l	87
6) Chloroethane	1.42	64	19611	29.477	ug/l #	72
7) Trichlorofluoromethane	1.52	101	77710m	25.014	ug/l	
8) Diethyl Ether	1.70	74	13431	25.285	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44825	27.549	ug/l	96
10) Methyl Iodide	1.97	142	65278	26.726	ug/l	92
11) Tert butyl alcohol	2.68	59	12443	102.359	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	31754	24.648	ug/l	89
13) Acrolein	2.09	56	3577	69.075	ug/l	87
14) Allyl chloride	2.19	41	50319	24.464	ug/l	95
15) Acrylonitrile	3.07	53	24527	127.000	ug/l	93
16) Acetone	2.33	43	49261	91.603	ug/l	99
17) Carbon Disulfide	1.89	76	80678m	28.211	ug/l	
18) Methyl Acetate	2.45	43	23605	25.885	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	85938	21.874	ug/l	95
20) Methylene Chloride	2.27	84	31435m	22.967	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31148	26.417	ug/l	93
22) Diisopropyl ether	2.92	45	98917	22.741	ug/l #	89
23) Vinyl Acetate	3.33	43	222416	99.457	ug/l	97
24) 1,1-Dichloroethane	2.99	63	72835	24.102	ug/l	98
25) 2-Butanone	4.50	43	56755	94.569	ug/l #	88
26) 2,2-Dichloropropane	3.75	77	47633	22.111	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	35346	21.842	ug/l	95
28) Bromochloromethane	3.88	49	26303	22.470	ug/l	98
29) Tetrahydrofuran	4.26	42	25735	111.570	ug/l	94
30) Chloroform	4.03	83	102023	23.921	ug/l	95
31) Cyclohexane	3.85	56	36159	22.414	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	83861	25.349	ug/l	99
36) 1,1-Dichloropropene	4.45	75	59777	22.740	ug/l	97
37) Ethyl Acetate	4.29	43	28738	21.650	ug/l #	92
38) Carbon Tetrachloride	4.17	117	89077m	23.620	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	44246	21.712	ug/l #	94
40) Benzene	4.81	78	105413	22.007	ug/l	98
41) Methacrylonitrile	4.92	41	11886	18.115	ug/l #	77
42) 1,2-Dichloroethane	5.11	62	78530	23.426	ug/l	99
43) Isopropyl Acetate	7.11	43	26655	18.794	ug/l #	89
44) Trichloroethene	5.66	130	42159	23.447	ug/l	99
45) 1,2-Dichloropropane	6.39	63	27209	21.509	ug/l	89
46) Dibromomethane	6.25	93	26037	21.680	ug/l	93
47) Bromodichloromethane	6.54	83	74623	22.817	ug/l	96
48) Methyl methacrylate	6.88	41	17562	16.462	ug/l	98
49) 1,4-Dioxane	6.87	88	2395	310.638	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	106298	98.525	ug/l	97
52) Toluene	7.77	92	77422	22.846	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	60915	21.465	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	58138	21.151	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	25399	19.579	ug/l	93
56) Ethyl methacrylate	8.76	69	23614	17.454	ug/l	93
57) 1,3-Dichloropropane	9.00	76	48087	21.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	18891	120.938	ug/l	100
59) 2-Hexanone	9.63	43	81312	94.048	ug/l	97
60) Dibromochloromethane	8.86	129	50089	21.881	ug/l	99
61) 1,2-Dibromoethane	9.13	107	32567	21.499	ug/l	87
64) Tetrachloroethene	8.30	164	42742	24.758	ug/l	95
65) Chlorobenzene	9.93	112	101925	21.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	47903	21.863	ug/l	96
67) Ethyl Benzene	10.03	91	184223	22.688	ug/l	100
68) m/p-Xylenes	10.27	106	127813	46.133	ug/l	92
69) o-Xylene	10.83	106	68907	23.031	ug/l	97
70) Styrene	10.90	104	100377	22.146	ug/l	99
71) Bromoform	10.89	173	31350	21.959	ug/l	97
73) Isopropylbenzene	11.22	105	227394	21.934	ug/l	99
74) N-amyl acetate	11.46	43	49079	18.765	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	39932	20.462	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	33574	20.232	ug/l	90
77) Bromobenzene	11.59	156	56737	20.958	ug/l	96
78) n-propylbenzene	11.69	91	263291	21.968	ug/l	98
79) 2-Chlorotoluene	11.82	91	160663	21.523	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	206590	22.450	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	13946m	20.293	ug/l	
82) 4-Chlorotoluene	11.98	91	172372	21.870	ug/l	96
83) tert-Butylbenzene	12.21	119	201461	21.647	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	214187	23.245	ug/l	93
85) sec-Butylbenzene	12.39	105	275452	23.115	ug/l	97
86) p-Isopropyltoluene	12.54	119	240187	22.998	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	112859	22.299	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	107801	21.784	ug/l	98
89) n-Butylbenzene	12.92	91	234416	23.736	ug/l	97
90) Hexachloroethane	12.99	117	60316	23.067	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	108389	22.681	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8932	18.723	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	83901	21.667	ug/l	93
94) Hexachlorobutadiene	14.25	225	57824	22.312	ug/l	96
95) Naphthalene	14.52	128	129590	19.024	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	76613	20.347	ug/l	97

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

