

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059728.D
 Acq On : 1 Aug 2018 1:49
 Operator : VA/AP
 Sample : VF0731SBSD03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBSD03

Manual Integrations
 APPROVED

apatel
 8/1/2018 4:30:02 PM

Quant Time: Aug 01 08:05:19 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	5.05	168	168100	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	239132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	242448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	164390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	162471	53.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.56%	
35) Dibromofluoromethane	4.30	113	131129	52.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.58%	
50) Toluene-d8	7.71	98	278452	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.51	95	160899	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	61748	30.469	ug/l	99
3) Chloromethane	1.08	50	28613	27.053	ug/l	94
4) Vinyl Chloride	1.15	62	29410	26.494	ug/l #	80
5) Bromomethane	1.33	94	26099	28.715	ug/l	94
6) Chloroethane	1.41	64	19298	28.581	ug/l	92
7) Trichlorofluoromethane	1.54	101	82742m	26.358	ug/l	
8) Diethyl Ether	1.71	74	12904	24.040	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44228	26.900	ug/l	93
10) Methyl Iodide	1.96	142	67539	27.462	ug/l	93
11) Tert butyl alcohol	2.69	59	14469	118.011	ug/l	95
12) 1,1-Dichloroethene	1.84	96	32894	25.268	ug/l	96
13) Acrolein	2.09	56	3900	73.261	ug/l	92
14) Allyl chloride	2.19	41	51778	24.912	ug/l #	96
15) Acrylonitrile	3.08	53	23432	120.074	ug/l	89
16) Acetone	2.35	43	55291	101.749	ug/l	99
17) Carbon Disulfide	1.89	76	85954m	30.082	ug/l	
18) Methyl Acetate	2.45	43	29857	33.788	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	97427	24.541	ug/l	94
20) Methylene Chloride	2.28	84	33929	25.096	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	30692	25.693	ug/l	88
22) Diisopropyl ether	2.94	45	97203	22.115	ug/l	92
23) Vinyl Acetate	3.33	43	251246	111.183	ug/l	100
24) 1,1-Dichloroethane	3.01	63	74924	24.536	ug/l	99
25) 2-Butanone	4.51	43	60404	99.604	ug/l #	79
26) 2,2-Dichloropropane	3.78	77	49811	22.882	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	35523	21.723	ug/l	88
28) Bromochloromethane	3.88	49	26769	22.667	ug/l	100
29) Tetrahydrofuran	4.27	42	29308	125.741	ug/l	96
30) Chloroform	4.04	83	104007	24.133	ug/l	92
31) Cyclohexane	3.87	56	38245	23.670	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	84913	25.400	ug/l	95
36) 1,1-Dichloropropene	4.47	75	60080	22.656	ug/l	93
37) Ethyl Acetate	4.30	43	32600	25.000	ug/l #	81
38) Carbon Tetrachloride	4.17	117	94583m	24.877	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	46478	22.821	ug/l	96
40) Benzene	4.81	78	107745	22.311	ug/l	95
41) Methacrylonitrile	4.93	41	15768	24.777	ug/l	94
42) 1,2-Dichloroethane	5.12	62	86612	25.627	ug/l	97
43) Isopropyl Acetate	7.12	43	31918	22.322	ug/l #	84
44) Trichloroethene	5.68	130	41809	22.968	ug/l	81
45) 1,2-Dichloropropane	6.41	63	28292	22.184	ug/l	95
46) Dibromomethane	6.25	93	27102	22.383	ug/l	90
47) Bromodichloromethane	6.55	83	78629	23.847	ug/l	96
48) Methyl methacrylate	6.88	41	23853	22.178	ug/l	94
49) 1,4-Dioxane	6.88	88	2923	396.674	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	127935	117.617	ug/l	98
52) Toluene	7.79	92	74377	21.638	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	63840	22.314	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	60992	22.009	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	32512	24.858	ug/l #	86
56) Ethyl methacrylate	8.76	69	30051	22.032	ug/l	97
57) 1,3-Dichloropropane	9.00	76	51890	23.126	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.79	63	18127	115.105	ug/l	100
59) 2-Hexanone	9.63	43	94362	108.257	ug/l	95
60) Dibromochloromethane	8.87	129	54459	23.597	ug/l	99
61) 1,2-Dibromoethane	9.14	107	36878	24.147	ug/l	93
64) Tetrachloroethene	8.31	164	44416	24.922	ug/l	95
65) Chlorobenzene	9.95	112	108020	22.272	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	53208	23.499	ug/l	90
67) Ethyl Benzene	10.04	91	193343	23.041	ug/l	96
68) m/p-Xylenes	10.27	106	132588	46.340	ug/l	95
69) o-Xylene	10.83	106	74054	23.951	ug/l	95
70) Styrene	10.90	104	109755	23.432	ug/l	98
71) Bromoform	10.89	173	36897	25.007	ug/l	92
73) Isopropylbenzene	11.23	105	234762	21.765	ug/l	98
74) N-amyl acetate	11.46	43	52633	19.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	47067	23.181	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	38310	22.189	ug/l	97
77) Bromobenzene	11.60	156	59328	21.063	ug/l	88
78) n-propylbenzene	11.69	91	270342	21.606	ug/l	99
79) 2-Chlorotoluene	11.82	91	169916	21.957	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	215542	22.527	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	14258m	19.941	ug/l	
82) 4-Chlorotoluene	12.00	91	181085	22.125	ug/l	97
83) tert-Butylbenzene	12.21	119	217174	22.429	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	228560	23.968	ug/l	100
85) sec-Butylbenzene	12.39	105	286928	23.149	ug/l	98
86) p-Isopropyltoluene	12.54	119	244563	22.372	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	121991	23.416	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	115819	22.638	ug/l	98
89) n-Butylbenzene	12.92	91	234523	22.575	ug/l	95
90) Hexachloroethane	13.00	117	63813	23.456	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	115364	23.312	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11442	23.052	ug/l	91

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93) 1,2,4-Trichlorobenzene	14.27	180	91650	23.012	ug/l	91
94) Hexachlorobutadiene	14.25	225	60790	22.545	ug/l	98
95) Naphthalene	14.52	128	153705	21.686	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	88617	22.621	ug/l	99

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

