

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059379.D
 Acq On : 29 Jun 2018 16:23
 Operator : VA/AP
 Sample : VF0629SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0629SBS01

Manual Integrations
 APPROVED

apatel
 7/2/2018 1:11:53 PM

Quant Time: Jun 30 00:06:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	281529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	442415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	438317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	270211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	164130	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	4.28	113	147230	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	7.70	98	350703	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
62) 4-Bromofluorobenzene	11.50	95	201533	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	52057	20.24	ug/l	100
3) Chloromethane	1.08	50	34667	20.06	ug/l	100
4) Vinyl Chloride	1.14	62	36606	21.52	ug/l	96
5) Bromomethane	1.33	94	23211	21.62	ug/l	98
6) Chloroethane	1.43	64	16218	18.93	ug/l #	85
7) Trichlorofluoromethane	1.48	101	67481m	20.06	ug/l	
8) Diethyl Ether	1.69	74	19014	22.05	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	40385	20.57	ug/l	92
10) Methyl Iodide	1.95	142	71443	19.95	ug/l	98
11) Tert butyl alcohol	2.67	59	24406	100.79	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	37013	22.30	ug/l	83
13) Acrolein	2.08	56	14490	115.06	ug/l	87
14) Allyl chloride	2.18	41	68535	22.00	ug/l	88
15) Acrylonitrile	3.06	53	49314	115.65	ug/l	88
16) Acetone	2.33	43	108037	113.36	ug/l	99
17) Carbon Disulfide	1.86	76	78838	20.19	ug/l	96
18) Methyl Acetate	2.44	43	38071	22.55	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	134651	21.75	ug/l #	92
20) Methylene Chloride	2.32	84	43482m	16.34	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	36300	20.50	ug/l	91
22) Diisopropyl ether	2.92	45	155292	22.51	ug/l	99
23) Vinyl Acetate	3.32	43	509555	115.97	ug/l	100
24) 1,1-Dichloroethane	2.99	63	96812	22.63	ug/l	98
25) 2-Butanone	4.49	43	138306	124.31	ug/l	94
26) 2,2-Dichloropropane	3.74	77	61990	21.01	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	57819	21.51	ug/l	80
28) Bromochloromethane	3.87	49	43618	24.38	ug/l	92
29) Tetrahydrofuran	4.24	42	59304	122.24	ug/l	97
30) Chloroform	4.01	83	132129	21.34	ug/l	93
31) Cyclohexane	3.84	56	60354	21.54	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	95218	21.01	ug/l	93
36) 1,1-Dichloropropene	4.44	75	80734	20.89	ug/l	98
37) Ethyl Acetate	4.27	43	61393	24.06	ug/l	88
38) Carbon Tetrachloride	4.15	117	102078m	20.93	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	75141	21.94	ug/l	94
40) Benzene	4.79	78	184416	21.52	ug/l	96
41) Methacrylonitrile	4.90	41	28805	21.85	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	104844	20.94	ug/l	99
43) Isopropyl Acetate	7.10	43	73350	22.78	ug/l #	98
44) Trichloroethene	5.66	130	61835	21.04	ug/l	96
45) 1,2-Dichloropropane	6.39	63	52245	21.34	ug/l	96
46) Dibromomethane	6.24	93	41253	19.41	ug/l	97
47) Bromodichloromethane	6.53	83	102762	19.98	ug/l	99
48) Methyl methacrylate	6.86	41	48250	22.36	ug/l	91
49) 1,4-Dioxane	6.86	88	5277	434.32	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	265043	111.13	ug/l	94
52) Toluene	7.77	92	130716	20.39	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	102408	21.84	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	104176	20.45	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	53057	21.31	ug/l	93
56) Ethyl methacrylate	8.74	69	64439	20.89	ug/l	93
57) 1,3-Dichloropropane	8.99	76	89279	20.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	23156	100.11	ug/l	100
59) 2-Hexanone	9.62	43	233055	121.38	ug/l	94
60) Dibromochloromethane	8.85	129	79206	20.61	ug/l	97
61) 1,2-Dibromoethane	9.12	107	64648	21.41	ug/l	89
64) Tetrachloroethene	8.29	164	61859	21.76	ug/l	95
65) Chlorobenzene	9.93	112	171858	21.16	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	74044	21.08	ug/l	91
67) Ethyl Benzene	10.02	91	297598	21.60	ug/l	98
68) m/p-Xylenes	10.25	106	214759	43.79	ug/l	99
69) o-Xylene	10.81	106	122323	22.30	ug/l	92
70) Styrene	10.89	104	175284	20.98	ug/l	97
71) Bromoform	10.88	173	51522	21.40	ug/l	94
73) Isopropylbenzene	11.22	105	349635	22.21	ug/l	98
74) N-amyl acetate	11.45	43	129620	22.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	81987	20.62	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	66028	22.02	ug/l	96
77) Bromobenzene	11.58	156	88826	20.34	ug/l	92
78) n-propylbenzene	11.68	91	412643	21.83	ug/l	95
79) 2-Chlorotoluene	11.80	91	243025	21.04	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	299716	21.74	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	37496	21.01	ug/l	98
82) 4-Chlorotoluene	11.98	91	264323	21.37	ug/l	90
83) tert-Butylbenzene	12.20	119	295793	21.45	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	312601	21.53	ug/l	97
85) sec-Butylbenzene	12.38	105	401076	21.94	ug/l	98
86) p-Isopropyltoluene	12.53	119	330461	21.54	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	164821	20.11	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	164543	21.10	ug/l	99
89) n-Butylbenzene	12.91	91	330271	21.21	ug/l	97
90) Hexachloroethane	12.99	117	79583	20.81	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	167316	21.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17157	19.47	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	126818	21.63	ug/l	95
94) Hexachlorobutadiene	14.25	225	72003	21.99	ug/l	97
95) Naphthalene	14.52	128	255713	20.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	117272	21.12	ug/l	99

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

