

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059313.D
 Acq On : 26 Jun 2018 13:27
 Operator : VA/AP
 Sample : VF0626SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Manual Integrations
 APPROVED

apatel
 6/27/2018 2:01:38 PM

Quant Time: Jun 27 02:52:50 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	5.02	168	292224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	464847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	451040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	281703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	177116	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	4.27	113	159160	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	7.69	98	414963	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.49	95	230041	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	60366	22.61	ug/l	96
3) Chloromethane	1.08	50	39240	21.88	ug/l	99
4) Vinyl Chloride	1.14	62	38219	21.65	ug/l	93
5) Bromomethane	1.33	94	25659	23.45	ug/l	92
6) Chloroethane	1.42	64	18415	20.71	ug/l	93
7) Trichlorofluoromethane	1.48	101	73531m	21.06	ug/l	
8) Diethyl Ether	1.70	74	18542	20.71	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43427	21.31	ug/l	96
10) Methyl Iodide	1.95	142	77238	20.78	ug/l	94
11) Tert butyl alcohol	2.67	59	21778	86.64	ug/l	95
12) 1,1-Dichloroethene	1.84	96	35779	20.77	ug/l	87
13) Acrolein	2.08	56	14610	111.17	ug/l	98
14) Allyl chloride	2.18	41	69369	21.45	ug/l	87
15) Acrylonitrile	3.06	53	48271	109.06	ug/l	94
16) Acetone	2.33	43	114073	115.49	ug/l	97
17) Carbon Disulfide	1.85	76	86842	21.43	ug/l	94
18) Methyl Acetate	2.43	43	32160	18.13	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	132092	20.56	ug/l #	92
20) Methylene Chloride	2.27	84	57828m	23.38	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	41144	22.39	ug/l	97
22) Diisopropyl ether	2.91	45	150294	20.99	ug/l	97
23) Vinyl Acetate	3.31	43	499602	109.54	ug/l	98
24) 1,1-Dichloroethane	2.99	63	93805	21.13	ug/l	99
25) 2-Butanone	4.48	43	124570	107.50	ug/l	97
26) 2,2-Dichloropropane	3.74	77	74212	24.23	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	60901	21.83	ug/l	82
28) Bromochloromethane	3.86	49	43958	23.53	ug/l	100
29) Tetrahydrofuran	4.23	42	55252	108.78	ug/l	95
30) Chloroform	4.01	83	131405	20.44	ug/l	97
31) Cyclohexane	3.84	56	64262	22.09	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	100708	21.41	ug/l	96
36) 1,1-Dichloropropene	4.44	75	86594	21.32	ug/l	97
37) Ethyl Acetate	4.27	43	52837	19.43	ug/l	97
38) Carbon Tetrachloride	4.15	117	104622	20.42	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	77690	21.59	ug/l	90
40) Benzene	4.78	78	188220	20.90	ug/l	96
41) Methacrylonitrile	4.90	41	26938	19.45	ug/l	98
42) 1,2-Dichloroethane	5.10	62	98392	18.70	ug/l	99
43) Isopropyl Acetate	7.09	43	64482	19.06	ug/l #	94
44) Trichloroethene	5.65	130	61242	19.83	ug/l	95
45) 1,2-Dichloropropane	6.39	63	55600	21.61	ug/l	97
46) Dibromomethane	6.23	93	47607	21.32	ug/l	92
47) Bromodichloromethane	6.53	83	111986	20.72	ug/l	99
48) Methyl methacrylate	6.85	41	45003	19.85	ug/l	92
49) 1,4-Dioxane	6.85	88	5814	457.59	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	251505	100.37	ug/l	100
52) Toluene	7.76	92	132563	19.68	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	107226	21.77	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	113070	21.13	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50347	19.25	ug/l	92
56) Ethyl methacrylate	8.73	69	63048	19.46	ug/l	93
57) 1,3-Dichloropropane	8.98	76	92287	20.57	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	24772	101.93	ug/l	100
59) 2-Hexanone	9.61	43	215494	104.64	ug/l	97
60) Dibromochloromethane	8.84	129	78696	19.49	ug/l	97
61) 1,2-Dibromoethane	9.12	107	61103	19.26	ug/l	100
64) Tetrachloroethene	8.28	164	64675	22.11	ug/l	97
65) Chlorobenzene	9.92	112	177720	21.26	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	74504	20.61	ug/l	94
67) Ethyl Benzene	10.01	91	305545	21.55	ug/l	99
68) m/p-Xylenes	10.25	106	226165	44.82	ug/l	99
69) o-Xylene	10.80	106	122223	21.65	ug/l	98
70) Styrene	10.88	104	188580	21.93	ug/l	99
71) Bromoform	10.87	173	49589	20.01	ug/l	99
73) Isopropylbenzene	11.21	105	362651	22.10	ug/l	98
74) N-amyl acetate	11.44	43	121891	20.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	84361	20.35	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	62307	19.93	ug/l	93
77) Bromobenzene	11.58	156	90801	19.94	ug/l	84
78) n-propylbenzene	11.67	91	441832	22.42	ug/l	97
79) 2-Chlorotoluene	11.80	91	260239	21.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	311555	21.67	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	36968	19.87	ug/l	94
82) 4-Chlorotoluene	11.98	91	272202	21.10	ug/l	95
83) tert-Butylbenzene	12.20	119	321239	22.34	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	321087	21.21	ug/l	99
85) sec-Butylbenzene	12.37	105	399788	20.98	ug/l	99
86) p-Isopropyltoluene	12.53	119	360677	22.55	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	176115	20.74	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	171222	21.06	ug/l	98
89) n-Butylbenzene	12.90	91	365193	22.49	ug/l	98
90) Hexachloroethane	12.98	117	85846	21.54	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	179215	21.68	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17122	18.64	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	128028	20.95	ug/l	98
94) Hexachlorobutadiene	14.24	225	74945	21.95	ug/l	96
95) Naphthalene	14.51	128	258994	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	118495	20.47	ug/l	96

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

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