

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059356.D
 Acq On : 28 Jun 2018 13:14
 Operator : VA/AP
 Sample : VF0628SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Manual Integrations
 APPROVED

apatel
 6/29/2018 11:27:13 AM

Quant Time: Jun 29 04:40:42 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	5.04	168	270816	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	427378	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	422680	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	268113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	165364	47.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	4.29	113	148102	47.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	7.71	98	363961	47.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.52	95	206720	47.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	52193	21.09	ug/l	93
3) Chloromethane	1.09	50	33378	20.08	ug/l	95
4) Vinyl Chloride	1.15	62	34597	21.14	ug/l	99
5) Bromomethane	1.34	94	23386	22.96	ug/l	96
6) Chloroethane	1.43	64	14820	17.98	ug/l	97
7) Trichlorofluoromethane	1.48	101	73138m	22.60	ug/l	
8) Diethyl Ether	1.70	74	16135	19.45	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44374	23.50	ug/l	88
10) Methyl Iodide	1.96	142	71407	20.73	ug/l	89
11) Tert butyl alcohol	2.69	59	24496	105.16	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	36611	22.93	ug/l	92
13) Acrolein	2.09	56	13606	111.81	ug/l	98
14) Allyl chloride	2.19	41	69480	23.18	ug/l	90
15) Acrylonitrile	3.07	53	52847	128.83	ug/l	85
16) Acetone	2.34	43	105940	115.76	ug/l	97
17) Carbon Disulfide	1.87	76	78567	20.92	ug/l	96
18) Methyl Acetate	2.45	43	28760	17.45	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	123491	20.74	ug/l #	88
20) Methylene Chloride	2.28	84	41073m	15.89	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	38528	22.62	ug/l	90
22) Diisopropyl ether	2.93	45	138942	20.93	ug/l	96
23) Vinyl Acetate	3.33	43	468460	110.83	ug/l	99
24) 1,1-Dichloroethane	3.00	63	90180	21.92	ug/l	97
25) 2-Butanone	4.51	43	123802	115.49	ug/l	99
26) 2,2-Dichloropropane	3.76	77	69176	24.37	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	58847	22.76	ug/l	78
28) Bromochloromethane	3.89	49	42423	24.70	ug/l	88
29) Tetrahydrofuran	4.25	42	49683	105.27	ug/l	98
30) Chloroform	4.03	83	126481	21.23	ug/l	97
31) Cyclohexane	3.87	56	58704	21.78	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	95752	21.96	ug/l	95
36) 1,1-Dichloropropene	4.47	75	78537	21.04	ug/l	98
37) Ethyl Acetate	4.29	43	56037	22.65	ug/l #	83
38) Carbon Tetrachloride	4.17	117	99648	21.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	74421	22.49	ug/l	97
40) Benzene	4.80	78	165099	19.94	ug/l	95
41) Methacrylonitrile	4.92	41	23798	18.69	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	98679	20.40	ug/l	98
43) Isopropyl Acetate	7.11	43	60695	19.52	ug/l #	99
44) Trichloroethene	5.67	130	61226	21.56	ug/l	93
45) 1,2-Dichloropropane	6.40	63	50546	21.37	ug/l	92
46) Dibromomethane	6.25	93	42843	20.87	ug/l	94
47) Bromodichloromethane	6.55	83	99657	20.06	ug/l	92
48) Methyl methacrylate	6.87	41	38872	18.65	ug/l	98
49) 1,4-Dioxane	6.86	88	5311	454.36	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	237864	103.24	ug/l	100
52) Toluene	7.78	92	126413	20.41	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	95095	21.00	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	96476	19.61	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	51062	21.23	ug/l	95
56) Ethyl methacrylate	8.76	69	56548	18.98	ug/l	96
57) 1,3-Dichloropropane	9.00	76	85308	20.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	22358	100.06	ug/l	100
59) 2-Hexanone	9.63	43	197960	104.54	ug/l	97
60) Dibromochloromethane	8.86	129	75968	20.46	ug/l	89
61) 1,2-Dibromoethane	9.13	107	58673	20.12	ug/l	93
64) Tetrachloroethene	8.30	164	59453	21.69	ug/l	99
65) Chlorobenzene	9.94	112	164440	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	73408	21.67	ug/l	94
67) Ethyl Benzene	10.04	91	287198	21.61	ug/l	98
68) m/p-Xylenes	10.27	106	207704	43.92	ug/l	99
69) o-Xylene	10.83	106	112315	21.23	ug/l	98
70) Styrene	10.90	104	169823	21.08	ug/l	97
71) Bromoform	10.89	173	47852	20.61	ug/l	98
73) Isopropylbenzene	11.23	105	341709	21.88	ug/l	99
74) N-amyl acetate	11.47	43	115351	20.35	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79899	20.25	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	60528	20.34	ug/l	97
77) Bromobenzene	11.59	156	88719	20.47	ug/l	96
78) n-propylbenzene	11.69	91	413400	22.04	ug/l	99
79) 2-Chlorotoluene	11.81	91	244042	21.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	292558	21.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	37435	21.14	ug/l	90
82) 4-Chlorotoluene	11.99	91	267126	21.76	ug/l	91
83) tert-Butylbenzene	12.22	119	305991	22.36	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	308314	21.40	ug/l	96
85) sec-Butylbenzene	12.39	105	402219	22.17	ug/l	99
86) p-Isopropyltoluene	12.54	119	336984	22.14	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	173695	21.67	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	163291	21.10	ug/l	96
89) n-Butylbenzene	12.92	91	306248	19.82	ug/l	96
90) Hexachloroethane	12.99	117	62972	16.60	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	183569	23.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15276	17.47	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	123429	21.22	ug/l	94
94) Hexachlorobutadiene	14.26	225	70856	21.81	ug/l	93
95) Naphthalene	14.53	128	236609	19.44	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112978	20.50	ug/l	96

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

