

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059272.D
 Acq On : 21 Jun 2018 20:55
 Operator : VA/AP
 Sample : VF0621SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:54 AM

Quant Time: Jun 22 07:27:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	255433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	376043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	394091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	239857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	176597	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.29	113	155018	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	7.70	98	383951	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.51	95	211128	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59267	19.93	ug/l	100
3) Chloromethane	1.09	50	36345	19.40	ug/l	95
4) Vinyl Chloride	1.15	62	36382	19.59	ug/l	98
5) Bromomethane	1.33	94	24507	18.47	ug/l #	77
6) Chloroethane	1.43	64	16602	18.32	ug/l	95
7) Trichlorofluoromethane	1.48	101	71612m	19.69	ug/l	
8) Diethyl Ether	1.70	74	16635	20.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41714	20.55	ug/l #	91
10) Methyl Iodide	1.96	142	71464	19.26	ug/l	92
11) Tert butyl alcohol	2.68	59	20967	98.14	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	35168	19.43	ug/l	91
13) Acrolein	2.09	56	18604	106.97	ug/l	97
14) Allyl chloride	2.18	41	64353	19.26	ug/l #	85
15) Acrylonitrile	3.07	53	51103	145.70	ug/l	91
16) Acetone	2.34	43	72673	83.86	ug/l	99
17) Carbon Disulfide	1.86	76	82548	18.77	ug/l	96
18) Methyl Acetate	2.45	43	27821	17.03	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	121774	20.05	ug/l #	91
20) Methylene Chloride	2.27	84	38289m	20.74	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35564	18.82	ug/l	94
22) Diisopropyl ether	2.92	45	145265	20.95	ug/l #	96
23) Vinyl Acetate	3.33	43	469764	105.93	ug/l	99
24) 1,1-Dichloroethane	3.00	63	88984	19.80	ug/l	99
25) 2-Butanone	4.51	43	108375	93.75	ug/l	96
26) 2,2-Dichloropropane	3.75	77	64404	20.56	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	58393	20.34	ug/l	98
28) Bromochloromethane	3.89	49	42337	22.61	ug/l	98
29) Tetrahydrofuran	4.26	42	46945	90.45	ug/l	98
30) Chloroform	4.03	83	129425	19.89	ug/l	97
31) Cyclohexane	3.87	56	63850	20.64	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	98978	20.14	ug/l	97
36) 1,1-Dichloropropene	4.46	75	82040	20.76	ug/l	97
37) Ethyl Acetate	4.28	43	51776	20.50	ug/l	97
38) Carbon Tetrachloride	4.16	117	100930	20.79	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	78570	22.22	ug/l	95
40) Benzene	4.80	78	185805	22.16	ug/l	95
41) Methacrylonitrile	4.91	41	23359	19.36	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	101149	20.94	ug/l	96
43) Isopropyl Acetate	7.11	43	62721	20.27	ug/l	92
44) Trichloroethene	5.66	130	58889	20.27	ug/l	91
45) 1,2-Dichloropropane	6.40	63	51014	20.85	ug/l	92
46) Dibromomethane	6.25	93	43173	20.91	ug/l	93
47) Bromodichloromethane	6.55	83	104477	21.14	ug/l	100
48) Methyl methacrylate	6.86	41	40880	20.87	ug/l	92
49) 1,4-Dioxane	6.87	88	4547	400.25	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	229447	103.98	ug/l	97
52) Toluene	7.78	92	134408	20.77	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	96782	20.85	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	100957	20.60	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	52753	21.12	ug/l	98
56) Ethyl methacrylate	8.75	69	55952	19.59	ug/l	95
57) 1,3-Dichloropropane	8.99	76	86149	20.85	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24831	108.71	ug/l	100
59) 2-Hexanone	9.62	43	173415	99.13	ug/l	99
60) Dibromochloromethane	8.86	129	74228	20.19	ug/l	96
61) 1,2-Dibromoethane	9.13	107	59712	20.75	ug/l	96
64) Tetrachloroethene	8.30	164	62137	20.53	ug/l	95
65) Chlorobenzene	9.94	112	173509	20.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	70111	20.07	ug/l	97
67) Ethyl Benzene	10.04	91	284065	19.95	ug/l	99
68) m/p-Xylenes	10.26	106	218298	42.66	ug/l	93
69) o-Xylene	10.82	106	116180	20.56	ug/l	93
70) Styrene	10.89	104	177318	20.81	ug/l	99
71) Bromoform	10.88	173	45722	18.35	ug/l	98
73) Isopropylbenzene	11.23	105	362734	21.95	ug/l	100
74) N-amyl acetate	11.46	43	114941	21.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	78974	20.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	57962	20.42	ug/l	95
77) Bromobenzene	11.59	156	87188	19.53	ug/l	91
78) n-propylbenzene	11.68	91	427134	21.85	ug/l	96
79) 2-Chlorotoluene	11.81	91	241127	20.57	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	289830	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	34238	18.83	ug/l #	86
82) 4-Chlorotoluene	11.99	91	259218	20.59	ug/l	96
83) tert-Butylbenzene	12.21	119	300916	21.28	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	310668	21.11	ug/l	99
85) sec-Butylbenzene	12.38	105	391372	20.74	ug/l	99
86) p-Isopropyltoluene	12.54	119	347921	22.36	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	168036	20.99	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	163164	20.64	ug/l	98
89) n-Butylbenzene	12.91	91	352880	22.27	ug/l	94
90) Hexachloroethane	12.99	117	80308	20.65	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	159505	20.09	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16744	20.00	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122325	21.10	ug/l	98
94) Hexachlorobutadiene	14.26	225	70994	20.66	ug/l	100
95) Naphthalene	14.52	128	242267	20.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	110851	20.32	ug/l	96

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

