

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059482.D
 Acq On : 10 Jul 2018 14:15
 Operator : VA/AP
 Sample : VF0710SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Manual Integrations
 APPROVED

apatel
 7/11/2018 11:33:38 AM

Quant Time: Jul 10 15:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	287105	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	419879	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	406014	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	246759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	226691	45.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	4.27	113	190158	47.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	7.69	98	463570	48.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.49	95	253956	48.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	71319	17.64	ug/l	86
3) Chloromethane	1.08	50	39942	20.03	ug/l	95
4) Vinyl Chloride	1.13	62	42156	20.24	ug/l	99
5) Bromomethane	1.33	94	25763	16.12	ug/l	95
6) Chloroethane	1.42	64	19346	17.61	ug/l	96
7) Trichlorofluoromethane	1.48	101	87932m	19.88	ug/l	
8) Diethyl Ether	1.69	74	18710	20.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.88	101	48194	20.11	ug/l	92
10) Methyl Iodide	1.95	142	80987	18.15	ug/l	98
11) Tert butyl alcohol	2.67	59	22043	96.90	ug/l	97
12) 1,1-Dichloroethene	1.84	96	43510	20.05	ug/l	81
13) Acrolein	2.07	56	15565	88.30	ug/l	97
14) Allyl chloride	2.17	41	75590	20.06	ug/l	79
15) Acrylonitrile	3.06	53	41912	100.90	ug/l	92
16) Acetone	2.33	43	91630	122.68	ug/l	99
17) Carbon Disulfide	1.85	76	114394	20.04	ug/l	98
18) Methyl Acetate	2.44	43	32923	18.98	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	136444	19.30	ug/l	99
20) Methylene Chloride	2.31	84	50272m	21.14	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	45459	19.69	ug/l	95
22) Diisopropyl ether	2.91	45	160532	20.57	ug/l	98
23) Vinyl Acetate	3.31	43	507413	111.98	ug/l	99
24) 1,1-Dichloroethane	2.98	63	102442	19.63	ug/l	99
25) 2-Butanone	4.50	43	111370	109.43	ug/l	93
26) 2,2-Dichloropropane	3.74	77	71955	23.92	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	57721	20.34	ug/l	92
28) Bromochloromethane	3.86	49	46658	21.54	ug/l	94
29) Tetrahydrofuran	4.24	42	51532	108.02	ug/l	99
30) Chloroform	4.01	83	138386	18.74	ug/l	97
31) Cyclohexane	3.84	56	67455	22.29	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	107096	18.86	ug/l	98
36) 1,1-Dichloropropene	4.44	75	96469	21.75	ug/l	94
37) Ethyl Acetate	4.27	43	55266	21.24	ug/l #	89
38) Carbon Tetrachloride	4.14	117	127363	20.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	82065	22.03	ug/l	96
40) Benzene	4.78	78	181421	20.88	ug/l	97
41) Methacrylonitrile	4.90	41	25621	21.43	ug/l	95
42) 1,2-Dichloroethane	5.10	62	112218	17.82	ug/l	92
43) Isopropyl Acetate	7.10	43	60556	20.33	ug/l	97
44) Trichloroethene	5.65	130	69429	21.66	ug/l	94
45) 1,2-Dichloropropane	6.38	63	52014	20.84	ug/l	98
46) Dibromomethane	6.23	93	45590	19.93	ug/l	92
47) Bromodichloromethane	6.53	83	114349	19.65	ug/l #	92
48) Methyl methacrylate	6.85	41	42052	19.78	ug/l	93
49) 1,4-Dioxane	6.85	88	4634	480.26	ug/l #	90
51) 4-Methyl-2-Pentanone	8.39	43	225492	101.58	ug/l	99
52) Toluene	7.76	92	138542	21.35	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	102818	20.40	ug/l	92
54) cis-1,3-Dichloropropene	7.43	75	106513	21.17	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	47469	18.75	ug/l	96
56) Ethyl methacrylate	8.74	69	59111	20.63	ug/l	99
57) 1,3-Dichloropropane	8.98	76	84251	19.48	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	27226	99.24	ug/l	100
59) 2-Hexanone	9.61	43	178872	108.41	ug/l	96
60) Dibromochloromethane	8.84	129	82249	19.49	ug/l	99
61) 1,2-Dibromoethane	9.12	107	61721	19.84	ug/l	100
64) Tetrachloroethene	8.28	164	67521	19.86	ug/l	96
65) Chlorobenzene	9.93	112	169467	21.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	77587	21.28	ug/l	95
67) Ethyl Benzene	10.03	91	308401	22.42	ug/l	100
68) m/p-Xylenes	10.25	106	220739	45.53	ug/l	99
69) o-Xylene	10.81	106	114892	22.02	ug/l	99
70) Styrene	10.88	104	177017	21.77	ug/l	97
71) Bromoform	10.87	173	51642	20.57	ug/l	98
73) Isopropylbenzene	11.22	105	359666	23.98	ug/l	98
74) N-amyl acetate	11.46	43	110003	24.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	75817	22.24	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	60543	21.81	ug/l	99
77) Bromobenzene	11.58	156	92475	22.28	ug/l	94
78) n-propylbenzene	11.67	91	429616	23.85	ug/l	98
79) 2-Chlorotoluene	11.80	91	259025	23.24	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	308357	23.20	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	34748	24.13	ug/l #	83
82) 4-Chlorotoluene	11.98	91	274528	23.24	ug/l	98
83) tert-Butylbenzene	12.20	119	321267	24.85	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	327816	23.45	ug/l	97
85) sec-Butylbenzene	12.38	105	417963	23.96	ug/l	100
86) p-Isopropyltoluene	12.53	119	358083	24.00	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	168776	21.47	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	165762	21.65	ug/l	96
89) n-Butylbenzene	12.90	91	358584	24.67	ug/l	95
90) Hexachloroethane	12.98	117	83978	21.66	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	172345	22.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16089	18.85	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	136904	23.64	ug/l	96
94) Hexachlorobutadiene	14.24	225	82728	23.58	ug/l	99
95) Naphthalene	14.51	128	249402	21.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	124681	22.19	ug/l	96

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

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