

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059978.D
 Acq On : 17 Aug 2018 17:37
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:47:11 AM

Quant Time: Aug 17 23:54:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	129429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	181802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	190314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	27289	10.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	21.66%	
35) Dibromofluoromethane	4.31	113	19427	10.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.00%	
50) Toluene-d8	7.72	98	43198	10.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.06%	
62) 4-Bromofluorobenzene	11.51	95	26706	10.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	22992	10.49	ug/l	91
3) Chloromethane	1.07	50	12790	11.33	ug/l #	88
4) Vinyl Chloride	1.12	62	14517	11.21	ug/l	94
5) Bromomethane	1.32	94	13690	10.80	ug/l	96
6) Chloroethane	1.39	64	7126	10.53	ug/l	90
7) Trichlorofluoromethane	1.49	101	43032	12.29	ug/l	96
8) Diethyl Ether	1.70	74	6084	10.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	18100	10.30	ug/l	95
10) Methyl Iodide	1.93	142	24105	10.76	ug/l	99
11) Tert butyl alcohol	2.69	59	7677	49.44	ug/l	95
12) 1,1-Dichloroethene	1.83	96	12543	10.30	ug/l	84
13) Acrolein	2.09	56	3149	38.39	ug/l #	64
14) Allyl chloride	2.20	41	21736	10.52	ug/l	94
15) Acrylonitrile	3.08	53	9069	35.16	ug/l	90
16) Acetone	2.34	43	45404	56.00	ug/l	99
17) Carbon Disulfide	1.84	76	44405	11.46	ug/l	99
18) Methyl Acetate	2.46	43	14262	8.86	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	40499	9.85	ug/l	97
20) Methylene Chloride	2.29	84	21222	12.41	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	13670	10.53	ug/l	80
22) Diisopropyl ether	2.94	45	42629	9.56	ug/l #	95
23) Vinyl Acetate	3.34	43	83757	45.83	ug/l	98
24) 1,1-Dichloroethane	3.00	63	27494	9.36	ug/l #	96
25) 2-Butanone	4.51	43	30786	48.54	ug/l	96
26) 2,2-Dichloropropane	3.77	77	26082	10.18	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	12283	10.38	ug/l	94
28) Bromochloromethane	3.90	49	9610	11.48	ug/l	97
29) Tetrahydrofuran	4.27	42	10949	48.34	ug/l	98
30) Chloroform	4.04	83	35424	10.59	ug/l	98
31) Cyclohexane	3.86	56	13131	9.95	ug/l	93
32) 1,1,1-Trichloroethane	4.29	97	33765	10.36	ug/l	98
36) 1,1-Dichloropropene	4.47	75	21576	10.52	ug/l	94
37) Ethyl Acetate	4.30	43	11307	9.35	ug/l	87
38) Carbon Tetrachloride	4.17	117	30200	10.25	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	16629	10.70	ug/l	96
40) Benzene	4.82	78	34163	9.79	ug/l	97
41) Methacrylonitrile	4.94	41	5588	9.75	ug/l #	71
42) 1,2-Dichloroethane	5.12	62	31120	10.29	ug/l	98
43) Isopropyl Acetate	7.12	43	10746	8.15	ug/l #	87
44) Trichloroethene	5.68	130	14665	10.76	ug/l	93
45) 1,2-Dichloropropane	6.42	63	10606	10.65	ug/l	90
46) Dibromomethane	6.26	93	9537	9.45	ug/l	97
47) Bromodichloromethane	6.55	83	27054	10.15	ug/l	91
48) Methyl methacrylate	6.88	41	8419	8.57	ug/l	93
49) 1,4-Dioxane	6.89	88	1326	168.53	ug/l #	75
51) 4-Methyl-2-Pentanone	8.42	43	59729	48.51	ug/l	97
52) Toluene	7.79	92	26931	10.24	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	22339	9.87	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	20650	9.46	ug/l #	92
55) 1,1,2-Trichloroethane	8.64	97	9788	9.08	ug/l	96
56) Ethyl methacrylate	8.77	69	12482	9.94	ug/l	87
57) 1,3-Dichloropropane	9.01	76	18244	9.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	7015	67.95	ug/l	100
59) 2-Hexanone	9.64	43	50916	49.77	ug/l	95
60) Dibromochloromethane	8.87	129	18874	9.67	ug/l	95
61) 1,2-Dibromoethane	9.15	107	12826	9.43	ug/l	97
64) Tetrachloroethene	8.32	164	14729	10.31	ug/l	87
65) Chlorobenzene	9.94	112	37982	10.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	18360	10.76	ug/l	92
67) Ethyl Benzene	10.04	91	70121	10.52	ug/l	99
68) m/p-Xylenes	10.28	106	49154	21.19	ug/l	84
69) o-Xylene	10.83	106	24306	10.19	ug/l	95
70) Styrene	10.91	104	38490	10.13	ug/l	98
71) Bromoform	10.89	173	12898	10.04	ug/l	89
73) Isopropylbenzene	11.24	105	82277	10.34	ug/l	97
74) N-amyl acetate	11.47	43	19984	8.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	15407	9.49	ug/l	90
76) 1,2,3-Trichloropropane	11.89	75	14161	9.76	ug/l	96
77) Bromobenzene	11.60	156	23193	10.33	ug/l	97
78) n-propylbenzene	11.70	91	101029	10.22	ug/l	98
79) 2-Chlorotoluene	11.82	91	60870	10.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	71480	9.92	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.97	75	6592m	8.81	ug/l	
82) 4-Chlorotoluene	11.99	91	69079	10.48	ug/l	96
83) tert-Butylbenzene	12.22	119	73575	10.33	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	77569	10.25	ug/l	96
85) sec-Butylbenzene	12.40	105	98192	10.54	ug/l	98
86) p-Isopropyltoluene	12.55	119	86922	10.55	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	46077	10.85	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	43625	10.49	ug/l	98
89) n-Butylbenzene	12.92	91	82460	10.35	ug/l	96
90) Hexachloroethane	13.00	117	17580	9.48	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	41444	10.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3915	8.55	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	34775	10.49	ug/l	99
94) Hexachlorobutadiene	14.26	225	23256	10.63	ug/l	93
95) Naphthalene	14.53	128	44860	9.31	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	32702	10.21	ug/l	94

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

