

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059863.D
 Acq On : 4 Aug 2018 3:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:25:45 AM

Quant Time: Aug 04 05:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	182844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261750	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	262222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	32986	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
35) Dibromofluoromethane	4.30	113	26161	9.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.10%	
50) Toluene-d8	7.71	98	52744	8.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.66%	
62) 4-Bromofluorobenzene	11.51	95	32944	9.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	30601	11.46	ug/l	88
3) Chloromethane	1.08	50	15343	11.78	ug/l	90
4) Vinyl Chloride	1.15	62	14239	10.63	ug/l	97
5) Bromomethane	1.34	94	14403	12.99	ug/l	90
6) Chloroethane	1.42	64	9224	10.95	ug/l	88
7) Trichlorofluoromethane	1.54	101	40630m	11.39	ug/l	
8) Diethyl Ether	1.71	74	6290	10.56	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22421	12.01	ug/l	97
10) Methyl Iodide	1.96	142	34333	11.58	ug/l #	92
11) Tert butyl alcohol	2.68	59	6629	45.37	ug/l #	82
12) 1,1-Dichloroethene	1.86	96	17024	11.47	ug/l	81
13) Acrolein	2.09	56	3755	59.19	ug/l	85
14) Allyl chloride	2.19	41	28039	11.78	ug/l	88
15) Acrylonitrile	3.08	53	11995	49.58	ug/l #	83
16) Acetone	2.34	43	32079	53.53	ug/l	99
17) Carbon Disulfide	1.90	76	42622	11.53	ug/l	98
18) Methyl Acetate	2.45	43	10542	9.42	ug/l #	84
19) Methyl tert-butyl Ether	2.54	73	45468	10.32	ug/l #	84
20) Methylene Chloride	2.28	84	20661m	12.04	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	16267	10.94	ug/l	83
22) Diisopropyl ether	2.93	45	51612	10.46	ug/l	98
23) Vinyl Acetate	3.33	43	122646	48.93	ug/l	99
24) 1,1-Dichloroethane	3.00	63	38178	11.03	ug/l #	96
25) 2-Butanone	4.50	43	32019	49.60	ug/l	93
26) 2,2-Dichloropropane	3.77	77	22442	9.42	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	19518	10.71	ug/l	82
28) Bromochloromethane	3.88	49	13965	10.40	ug/l	96
29) Tetrahydrofuran	4.26	42	11052	43.35	ug/l	93
30) Chloroform	4.04	83	55696	11.54	ug/l	86
31) Cyclohexane	3.87	56	18610	9.92	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	44634	11.80	ug/l	93
36) 1,1-Dichloropropene	4.47	75	30300	9.73	ug/l	95
37) Ethyl Acetate	4.29	43	12053	7.95	ug/l #	67
38) Carbon Tetrachloride	4.17	117	43329m	10.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	22169	9.43	ug/l	95
40) Benzene	4.81	78	82760	15.31	ug/l	98
41) Methacrylonitrile	4.93	41	6961	9.35	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	43346	11.23	ug/l	99
43) Isopropyl Acetate	7.12	43	11803	7.60	ug/l #	100
44) Trichloroethene	5.68	130	20921	9.98	ug/l	82
45) 1,2-Dichloropropane	6.41	63	13623	9.60	ug/l	92
46) Dibromomethane	6.26	93	15099	11.17	ug/l #	85
47) Bromodichloromethane	6.56	83	38927	10.50	ug/l	98
48) Methyl methacrylate	6.88	41	9524m	8.10	ug/l	
49) 1,4-Dioxane	6.87	88	1134	125.11	ug/l #	83
51) 4-Methyl-2-Pentanone	8.41	43	69864	56.56	ug/l	100
52) Toluene	7.79	92	38504	9.60	ug/l	88
53) t-1,3-Dichloropropene	8.43	75	30143	9.57	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	27611	8.95	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	14092	9.81	ug/l	90
56) Ethyl methacrylate	8.76	69	11187	7.53	ug/l	87
57) 1,3-Dichloropropane	9.01	76	24168	9.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	10143	56.07	ug/l	100
59) 2-Hexanone	9.63	43	46951	48.12	ug/l	100
60) Dibromochloromethane	8.86	129	25754	9.97	ug/l	88
61) 1,2-Dibromoethane	9.14	107	15587	9.14	ug/l	97
64) Tetrachloroethene	8.31	164	23529	11.00	ug/l	90
65) Chlorobenzene	9.95	112	52980	9.86	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	26669	10.58	ug/l	94
67) Ethyl Benzene	10.04	91	89746	9.62	ug/l	100
68) m/p-Xylenes	10.27	106	62816	19.21	ug/l	98
69) o-Xylene	10.83	106	32018	9.26	ug/l	86
70) Styrene	10.90	104	52012	10.04	ug/l	97
71) Bromoform	10.89	173	16160	9.98	ug/l	97
73) Isopropylbenzene	11.23	105	107038	8.73	ug/l	90
74) N-amyl acetate	11.46	43	20879	6.90	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	21111	9.30	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	18282	9.40	ug/l	90
77) Bromobenzene	11.59	156	32852	10.29	ug/l	92
78) n-propylbenzene	11.69	91	135296	9.46	ug/l	100
79) 2-Chlorotoluene	11.82	91	84281	9.48	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	109095	9.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	6201m	7.92	ug/l	
82) 4-Chlorotoluene	11.99	91	92312	9.73	ug/l	94
83) tert-Butylbenzene	12.21	119	105135	9.59	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	107438	9.69	ug/l	100
85) sec-Butylbenzene	12.39	105	136502	9.67	ug/l	98
86) p-Isopropyltoluene	12.54	119	113786	9.14	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	59899	9.84	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	59169	9.94	ug/l	96
89) n-Butylbenzene	12.92	91	110202	9.41	ug/l	96
90) Hexachloroethane	12.99	117	31046	9.94	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	58320	9.91	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5077	9.00	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	41377	9.05	ug/l	93
94) Hexachlorobutadiene	14.25	225	30159	9.84	ug/l	92
95) Naphthalene	14.52	128	63939	7.99	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	41285	9.29	ug/l	93

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

