

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059977.D
 Acq On : 17 Aug 2018 17:09
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:47:07 AM

Quant Time: Aug 17 23:50:22 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	135828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	186715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	195917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	12185	4.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	9.22%	
35) Dibromofluoromethane	4.31	113	9822	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	7.72	98	20846	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.51	95	13776	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	12778	5.55	ug/l	99
3) Chloromethane	1.07	50	7729	6.52	ug/l #	76
4) Vinyl Chloride	1.12	62	7043	5.18	ug/l #	81
5) Bromomethane	1.32	94	8977	6.75	ug/l	98
6) Chloroethane	1.39	64	4011	5.65	ug/l #	86
7) Trichlorofluoromethane	1.49	101	22438	6.10	ug/l	98
8) Diethyl Ether	1.71	74	2906	4.95	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10649	5.77	ug/l	97
10) Methyl Iodide	1.94	142	12000	5.10	ug/l	93
11) Tert butyl alcohol	2.68	59	3554	21.81	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	7039	5.51	ug/l #	87
13) Acrolein	2.10	56	1515	17.60	ug/l	97
14) Allyl chloride	2.19	41	13490	6.22	ug/l	99
15) Acrylonitrile	3.08	53	6873	25.39	ug/l #	80
16) Acetone	2.34	43	24588	28.90	ug/l	94
17) Carbon Disulfide	1.84	76	22837	5.61	ug/l	95
18) Methyl Acetate	2.45	43	11525	6.82	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	21453	4.97	ug/l	99
20) Methylene Chloride	2.29	84	14557	8.11	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	7854	5.77	ug/l #	86
22) Diisopropyl ether	2.93	45	23909	5.11	ug/l #	97
23) Vinyl Acetate	3.34	43	39581	20.64	ug/l #	94
24) 1,1-Dichloroethane	3.01	63	16267	5.28	ug/l	97
25) 2-Butanone	4.52	43	17837	26.80	ug/l	93
26) 2,2-Dichloropropane	3.77	77	11861	4.41	ug/l #	82
27) cis-1,2-Dichloroethene	3.65	96	6016	4.84	ug/l	90
28) Bromochloromethane	3.88	49	4404	5.01	ug/l	94
29) Tetrahydrofuran	4.27	42	6300	26.50	ug/l #	92
30) Chloroform	4.05	83	18082	5.15	ug/l	86
31) Cyclohexane	3.86	56	7952	5.74	ug/l #	92
32) 1,1,1-Trichloroethane	4.29	97	17562	5.13	ug/l #	85
36) 1,1-Dichloropropene	4.48	75	12627	5.99	ug/l #	83
37) Ethyl Acetate	4.29	43	5817	4.68	ug/l #	52
38) Carbon Tetrachloride	4.17	117	15992	5.28	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	8650	5.42	ug/l	86
40) Benzene	4.82	78	19618	5.47	ug/l	95
41) Methacrylonitrile	4.94	41	3031	5.15	ug/l #	76
42) 1,2-Dichloroethane	5.13	62	16279	5.24	ug/l	89
43) Isopropyl Acetate	7.12	43	6604	4.88	ug/l #	85
44) Trichloroethene	5.69	130	7699	5.50	ug/l	92
45) 1,2-Dichloropropane	6.41	63	5257	5.14	ug/l	91
46) Dibromomethane	6.26	93	5109	4.93	ug/l	92
47) Bromodichloromethane	6.55	83	13831	5.05	ug/l	94
48) Methyl methacrylate	6.89	41	4655	4.61	ug/l	97
49) 1,4-Dioxane	6.88	88	391	48.39	ug/l #	48
51) 4-Methyl-2-Pentanone	8.42	43	31376	24.81	ug/l	98
52) Toluene	7.79	92	15153	5.61	ug/l	83
53) t-1,3-Dichloropropene	8.44	75	11820	5.08	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	11608	5.18	ug/l #	93
55) 1,1,2-Trichloroethane	8.64	97	5643	5.10	ug/l #	84
56) Ethyl methacrylate	8.77	69	5168	4.01	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	10329	5.25	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.72	63	122	1.15	ug/l	100
59) 2-Hexanone	9.64	43	26710	25.42	ug/l	94
60) Dibromochloromethane	8.87	129	9410	4.70	ug/l	100
61) 1,2-Dibromoethane	9.15	107	7068	5.06	ug/l	83
64) Tetrachloroethene	8.31	164	8788	5.98	ug/l	93
65) Chlorobenzene	9.96	112	21872	5.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	9470	5.39	ug/l	88
67) Ethyl Benzene	10.04	91	37110	5.41	ug/l	97
68) m/p-Xylenes	10.27	106	26801	11.22	ug/l	74
69) o-Xylene	10.83	106	11721	4.77	ug/l	82
70) Styrene	10.91	104	20466	5.23	ug/l	94
71) Bromoform	10.89	173	6039	4.57	ug/l	93
73) Isopropylbenzene	11.24	105	39840	4.99	ug/l	92
74) N-amyl acetate	11.47	43	10517	4.45	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	8811	5.41	ug/l	87
76) 1,2,3-Trichloropropane	11.89	75	7310	5.02	ug/l	90
77) Bromobenzene	11.60	156	12271	5.45	ug/l	93
78) n-propylbenzene	11.69	91	57345	5.78	ug/l	96
79) 2-Chlorotoluene	11.82	91	34226	5.63	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	38907	5.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	3095m	4.12	ug/l	
82) 4-Chlorotoluene	12.00	91	34908	5.28	ug/l	97
83) tert-Butylbenzene	12.22	119	38374	5.37	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	41578	5.48	ug/l	96
85) sec-Butylbenzene	12.39	105	51907	5.55	ug/l	98
86) p-Isopropyltoluene	12.55	119	44710	5.41	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	24969	5.86	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	22648	5.43	ug/l	95
89) n-Butylbenzene	12.92	91	43422	5.43	ug/l	90
90) Hexachloroethane	13.00	117	10005	5.38	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	23616	5.76	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1933	4.21	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	17732	5.33	ug/l	86
94) Hexachlorobutadiene	14.26	225	11608	5.29	ug/l	91
95) Naphthalene	14.53	128	20273	4.19	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.68	180	16503	5.14	ug/l	93

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

