

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059862.D
 Acq On : 4 Aug 2018 3:21
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:25:40 AM

Quant Time: Aug 04 05:36:37 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	180146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	250389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	244852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	166970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	16809	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
35) Dibromofluoromethane	4.30	113	13979	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
50) Toluene-d8	7.71	98	24268	4.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.02%	
62) 4-Bromofluorobenzene	11.52	95	13843	4.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	16546	6.29	ug/l	93
3) Chloromethane	1.09	50	6837	5.33	ug/l #	87
4) Vinyl Chloride	1.16	62	6749	5.11	ug/l	89
5) Bromomethane	1.34	94	8113	7.42	ug/l #	79
6) Chloroethane	1.43	64	4599	5.54	ug/l	95
7) Trichlorofluoromethane	1.54	101	20413m	5.81	ug/l	
8) Diethyl Ether	1.70	74	3607	6.15	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.91	101	13169	7.16	ug/l	96
10) Methyl Iodide	1.97	142	18379	6.29	ug/l #	95
11) Tert butyl alcohol	2.69	59	3511	24.39	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	8012	5.48	ug/l	88
13) Acrolein	2.09	56	2203m	35.25	ug/l	
14) Allyl chloride	2.19	41	15025	6.41	ug/l	90
15) Acrylonitrile	3.08	53	5909	24.79	ug/l #	87
16) Acetone	2.34	43	16769	28.40	ug/l	100
17) Carbon Disulfide	1.88	76	22927m	6.30	ug/l	
18) Methyl Acetate	2.46	43	5401	4.90	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	23497	5.42	ug/l #	90
20) Methylene Chloride	2.28	84	12102m	7.16	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	8423	5.75	ug/l	89
22) Diisopropyl ether	2.92	45	25489	5.24	ug/l #	95
23) Vinyl Acetate	3.33	43	61390	24.86	ug/l	97
24) 1,1-Dichloroethane	3.00	63	20844	6.11	ug/l	97
25) 2-Butanone	4.52	43	16140	25.38	ug/l	96
26) 2,2-Dichloropropane	3.77	77	11950	5.09	ug/l	88
27) cis-1,2-Dichloroethene	3.64	96	8310	4.63	ug/l	79
28) Bromochloromethane	3.90	49	7241	5.47	ug/l	82
29) Tetrahydrofuran	4.24	42	6733	26.80	ug/l #	89
30) Chloroform	4.03	83	27741	5.83	ug/l	95
31) Cyclohexane	3.87	56	8563	4.63	ug/l #	71
32) 1,1,1-Trichloroethane	4.27	97	22535	6.05	ug/l	91
36) 1,1-Dichloropropene	4.46	75	15664	5.26	ug/l #	85
37) Ethyl Acetate	4.30	43	6405	4.42	ug/l #	53
38) Carbon Tetrachloride	4.16	117	24870m	6.09	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	10495	4.67	ug/l	84
40) Benzene	4.81	78	28255	5.47	ug/l	92
41) Methacrylonitrile	4.91	41	3768	5.29	ug/l #	78
42) 1,2-Dichloroethane	5.12	62	22615	6.13	ug/l	99
43) Isopropyl Acetate	7.11	43	5918	3.98	ug/l #	75
44) Trichloroethene	5.67	130	10080	5.03	ug/l	95
45) 1,2-Dichloropropane	6.42	63	6363	4.69	ug/l #	86
46) Dibromomethane	6.25	93	6982	5.40	ug/l #	73
47) Bromodichloromethane	6.56	83	19935	5.62	ug/l #	90
48) Methyl methacrylate	6.88	41	3867	3.44	ug/l	93
49) 1,4-Dioxane	6.86	88	265	30.56	ug/l #	63
51) 4-Methyl-2-Pentanone	8.42	43	29892	25.30	ug/l #	82
52) Toluene	7.78	92	17864	4.66	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	12707	4.22	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	13723	4.65	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	6727	4.89	ug/l #	92
56) Ethyl methacrylate	8.76	69	4668	3.28	ug/l #	83
57) 1,3-Dichloropropane	9.00	76	10018	4.20	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	4036	23.32	ug/l	100
59) 2-Hexanone	9.63	43	20936	22.43	ug/l	83
60) Dibromochloromethane	8.86	129	11462	4.64	ug/l	90
61) 1,2-Dibromoethane	9.13	107	7865	4.82	ug/l	83
64) Tetrachloroethene	8.30	164	9998	5.01	ug/l	86
65) Chlorobenzene	9.94	112	25926	5.17	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.08	131	13419	5.70	ug/l	86
67) Ethyl Benzene	10.04	91	42789	4.91	ug/l	99
68) m/p-Xylenes	10.27	106	29670	9.72	ug/l	98
69) o-Xylene	10.84	106	13110	4.06	ug/l	92
70) Styrene	10.90	104	20345	4.21	ug/l	95
71) Bromoform	10.88	173	7584	5.02	ug/l #	97
73) Isopropylbenzene	11.23	105	48261	4.32	ug/l	95
74) N-amyl acetate	11.47	43	9411	3.41	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.79	83	10806	5.22	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	8982	5.06	ug/l	88
77) Bromobenzene	11.59	156	14076	4.84	ug/l	93
78) n-propylbenzene	11.69	91	63597	4.88	ug/l	92
79) 2-Chlorotoluene	11.81	91	39666	4.90	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	46188	4.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	2540m	3.56	ug/l	
82) 4-Chlorotoluene	11.99	91	46249	5.35	ug/l	96
83) tert-Butylbenzene	12.22	119	45359	4.54	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	50472	4.99	ug/l	96
85) sec-Butylbenzene	12.39	105	65227	5.07	ug/l	96
86) p-Isopropyltoluene	12.54	119	50547	4.45	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	31264	5.63	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	27786	5.12	ug/l	91
89) n-Butylbenzene	12.92	91	49272	4.62	ug/l	98
90) Hexachloroethane	12.99	117	16501	5.79	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	27252	5.08	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2139	4.16	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	20165	4.84	ug/l	93
94) Hexachlorobutadiene	14.26	225	14802	5.30	ug/l	95
95) Naphthalene	14.52	128	28177	3.86	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	18465	4.56	ug/l	97

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

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