

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059957.D
 Acq On : 14 Aug 2018 21:00
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:15:15 PM

Quant Time: Aug 15 09:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	129750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	188618	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	188715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	229411	97.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.78%	
35) Dibromofluoromethane	4.31	113	173988	93.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.82%	
50) Toluene-d8	7.73	98	403245	100.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.60%	
62) 4-Bromofluorobenzene	11.53	95	225784	100.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	182714	84.45	ug/l	98
3) Chloromethane	1.10	50	78536	78.34	ug/l	96
4) Vinyl Chloride	1.17	62	91901	88.35	ug/l	99
5) Bromomethane	1.35	94	75597	77.55	ug/l	89
6) Chloroethane	1.44	64	60756	93.21	ug/l	94
7) Trichlorofluoromethane	1.54	101	263594m	91.71	ug/l	
8) Diethyl Ether	1.71	74	40172	89.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	125221	80.02	ug/l	95
10) Methyl Iodide	1.99	142	207993m	86.85	ug/l	
11) Tert butyl alcohol	2.69	59	41366	432.42	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	96271	83.98	ug/l	87
13) Acrolein	2.10	56	27424	482.39	ug/l #	79
14) Allyl chloride	2.20	41	137218	74.57	ug/l	91
15) Acrylonitrile	3.09	53	65287	390.72	ug/l	94
16) Acetone	2.35	43	194868	449.18	ug/l	95
17) Carbon Disulfide	1.90	76	251820m	83.54	ug/l	
18) Methyl Acetate	2.46	43	58160	81.46	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	292308	90.01	ug/l	97
20) Methylene Chloride	2.28	84	90907m	94.26	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	95183	84.00	ug/l	97
22) Diisopropyl ether	2.94	45	335177	91.27	ug/l	97
23) Vinyl Acetate	3.35	43	844929	472.61	ug/l	100
24) 1,1-Dichloroethane	3.01	63	221189	82.92	ug/l	98
25) 2-Butanone	4.52	43	217362	466.88	ug/l	97
26) 2,2-Dichloropropane	3.78	77	140822	88.88	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	109747	86.99	ug/l	96
28) Bromochloromethane	3.91	49	82141	85.90	ug/l	88
29) Tetrahydrofuran	4.27	42	74754	436.23	ug/l	97
30) Chloroform	4.06	83	314179	86.97	ug/l	95
31) Cyclohexane	3.89	56	116928	88.79	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	252589	87.31	ug/l	96
36) 1,1-Dichloropropene	4.48	75	199520	93.19	ug/l	98
37) Ethyl Acetate	4.30	43	84148	91.60	ug/l #	67
38) Carbon Tetrachloride	4.19	117	302840	94.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	146432	91.68	ug/l	95
40) Benzene	4.82	78	344416	95.36	ug/l	93
41) Methacrylonitrile	4.93	41	42908	89.24	ug/l	86
42) 1,2-Dichloroethane	5.14	62	259404	86.87	ug/l	96
43) Isopropyl Acetate	7.12	43	95560	98.77	ug/l #	100
44) Trichloroethene	5.69	130	126513	88.82	ug/l	93
45) 1,2-Dichloropropane	6.42	63	89302	90.77	ug/l	94
46) Dibromomethane	6.27	93	87799	88.01	ug/l	93
47) Bromodichloromethane	6.57	83	252934	92.56	ug/l	97
48) Methyl methacrylate	6.89	41	78731	105.43	ug/l	93
49) 1,4-Dioxane	6.87	88	11246	1967.72	ug/l	93
51) 4-Methyl-2-Pentanone	8.42	43	444627	452.47	ug/l	98
52) Toluene	7.80	92	249858	91.87	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	201953	95.45	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	211453	97.79	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	88560	90.54	ug/l	95
56) Ethyl methacrylate	8.78	69	101287	90.50	ug/l	95
57) 1,3-Dichloropropane	9.01	76	158117	93.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	62035	479.45	ug/l	100
59) 2-Hexanone	9.64	43	335314	480.18	ug/l	95
60) Dibromochloromethane	8.89	129	174740	94.76	ug/l	96
61) 1,2-Dibromoethane	9.15	107	111575	93.64	ug/l	92
64) Tetrachloroethene	8.32	164	134326	85.19	ug/l	99
65) Chlorobenzene	9.96	112	325071	86.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	163562	87.59	ug/l	96
67) Ethyl Benzene	10.06	91	618998	94.61	ug/l	97
68) m/p-Xylenes	10.28	106	397797	175.80	ug/l	99
69) o-Xylene	10.85	106	227143	95.67	ug/l	99
70) Styrene	10.92	104	333070	92.94	ug/l	99
71) Bromoform	10.91	173	101103	87.77	ug/l	96
73) Isopropylbenzene	11.24	105	718940	102.16	ug/l	100
74) N-amyl acetate	11.48	43	172506	95.57	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	118053	90.01	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	102031	90.10	ug/l	94
77) Bromobenzene	11.61	156	183322	95.52	ug/l	88
78) n-propylbenzene	11.70	91	796083	95.61	ug/l	95
79) 2-Chlorotoluene	11.82	91	516426	98.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	655898	100.43	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	44675m	99.27	ug/l	
82) 4-Chlorotoluene	12.00	91	563735	97.88	ug/l	98
83) tert-Butylbenzene	12.23	119	643421	100.57	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	663069	97.94	ug/l	99
85) sec-Butylbenzene	12.40	105	813929	95.94	ug/l	95
86) p-Isopropyltoluene	12.55	119	725624	102.09	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	328720	90.47	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	344351	96.27	ug/l	96
89) n-Butylbenzene	12.93	91	691592	100.87	ug/l	98
90) Hexachloroethane	13.01	117	182954	94.41	ug/l	81
91) 1,2-Dichlorobenzene	13.04	146	326609	93.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	33325	100.67	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	256902	95.84	ug/l	96
94) Hexachlorobutadiene	14.27	225	187188	98.67	ug/l	97
95) Naphthalene	14.53	128	468570	102.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	259621	99.02	ug/l	95

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

