

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059264.D
 Acq On : 21 Jun 2018 16:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:24 AM

Quant Time: Jun 22 05:02:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	235364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	371725	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	378496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	235193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	35655	12.23	ug/l	0.00
Spiked Amount			Recovery	=	24.46%	
35) Dibromofluoromethane	4.29	113	33410	12.69	ug/l	0.00
Spiked Amount			Recovery	=	25.38%	
50) Toluene-d8	7.71	98	80790	10.68	ug/l	0.00
Spiked Amount			Recovery	=	21.36%	
62) 4-Bromofluorobenzene	11.51	95	48814	12.25	ug/l	0.00
Spiked Amount			Recovery	=	24.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	28862	10.80	ug/l	99
3) Chloromethane	1.08	50	17645	8.86	ug/l	98
4) Vinyl Chloride	1.14	62	17956	9.80	ug/l	100
5) Bromomethane	1.34	94	11201	10.22	ug/l	91
6) Chloroethane	1.43	64	7444	9.56	ug/l	94
7) Trichlorofluoromethane	1.49	101	33942m	11.43	ug/l	
8) Diethyl Ether	1.70	74	7331	10.17	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	19939	10.87	ug/l	96
10) Methyl Iodide	1.96	142	36363	11.29	ug/l	93
11) Tert butyl alcohol	2.69	59	10852	59.04	ug/l	94
12) 1,1-Dichloroethene	1.85	96	18385	11.97	ug/l	87
13) Acrolein	2.09	56	9023	56.43	ug/l	94
14) Allyl chloride	2.19	41	30314	10.03	ug/l	87
15) Acrylonitrile	3.07	53	26878	76.19	ug/l	93
16) Acetone	2.33	43	48069	69.14	ug/l #	92
17) Carbon Disulfide	1.87	76	39878	9.44	ug/l	98
18) Methyl Acetate	2.45	43	14575	11.98	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	59546	12.10	ug/l	98
20) Methylene Chloride	2.27	84	18367m	11.24	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	17878	10.48	ug/l	96
22) Diisopropyl ether	2.93	45	64777	10.70	ug/l	96
23) Vinyl Acetate	3.33	43	227615	57.67	ug/l	97
24) 1,1-Dichloroethane	2.99	63	44223	12.00	ug/l	98
25) 2-Butanone	4.51	43	59639	56.12	ug/l	95
26) 2,2-Dichloropropane	3.76	77	30654	11.52	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	27654	10.60	ug/l	90
28) Bromochloromethane	3.88	49	20114	12.33	ug/l	97
29) Tetrahydrofuran	4.25	42	25866	55.79	ug/l	97
30) Chloroform	4.03	83	65517	12.46	ug/l	97
31) Cyclohexane	3.85	56	29780	9.58	ug/l #	94
32) 1,1,1-Trichloroethane	4.28	97	48689	12.33	ug/l	92
36) 1,1-Dichloropropene	4.46	75	37857	10.47	ug/l	97
37) Ethyl Acetate	4.29	43	25862	11.46	ug/l #	96
38) Carbon Tetrachloride	4.17	117	48600	12.12	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	34983	9.77	ug/l	95
40) Benzene	4.81	78	86121	10.37	ug/l	99
41) Methacrylonitrile	4.93	41	13858	12.51	ug/l #	81
42) 1,2-Dichloroethane	5.11	62	49562	12.62	ug/l	92
43) Isopropyl Acetate	7.11	43	28519	9.41	ug/l #	93
44) Trichloroethene	5.68	130	31139	11.68	ug/l	96
45) 1,2-Dichloropropane	6.40	63	25516	10.61	ug/l #	87
46) Dibromomethane	6.26	93	21749	11.86	ug/l	95
47) Bromodichloromethane	6.54	83	50170	11.86	ug/l	100
48) Methyl methacrylate	6.87	41	20000	10.77	ug/l	88
49) 1,4-Dioxane	6.87	88	2101	170.82	ug/l #	40
51) 4-Methyl-2-Pentanone	8.41	43	119216	57.27	ug/l	100
52) Toluene	7.78	92	69130	11.45	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	48591	11.77	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	50709	10.94	ug/l	90
55) 1,1,2-Trichloroethane	8.63	97	26617	11.97	ug/l	97
56) Ethyl methacrylate	8.76	69	27437	9.79	ug/l	95
57) 1,3-Dichloropropane	9.00	76	42496	11.26	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	12370	61.16	ug/l	100
59) 2-Hexanone	9.63	43	96439	58.54	ug/l	90
60) Dibromochloromethane	8.86	129	38034	11.77	ug/l	98
61) 1,2-Dibromoethane	9.14	107	29755	11.49	ug/l	98
64) Tetrachloroethene	8.30	164	31136	11.14	ug/l	95
65) Chlorobenzene	9.94	112	83407	10.99	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	36566	12.04	ug/l	99
67) Ethyl Benzene	10.03	91	147022	11.24	ug/l	99
68) m/p-Xylenes	10.27	106	109735	22.11	ug/l	100
69) o-Xylene	10.83	106	57204	10.71	ug/l	97
70) Styrene	10.90	104	87067	10.84	ug/l	100
71) Bromoform	10.89	173	23999	11.48	ug/l #	96
73) Isopropylbenzene	11.23	105	178458	10.97	ug/l	97
74) N-amyl acetate	11.46	43	56253	9.75	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	43545	11.29	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	30474	10.67	ug/l	100
77) Bromobenzene	11.59	156	47767	11.51	ug/l	77
78) n-propylbenzene	11.69	91	212452	11.03	ug/l	100
79) 2-Chlorotoluene	11.82	91	127237	11.14	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	152539	11.27	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17727	9.53	ug/l	93
82) 4-Chlorotoluene	11.98	91	138013	11.33	ug/l	95
83) tert-Butylbenzene	12.21	119	153999	11.40	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	158798	11.39	ug/l	100
85) sec-Butylbenzene	12.39	105	205917	11.32	ug/l	99
86) p-Isopropyltoluene	12.54	119	167103	11.15	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	86996	11.40	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	82633	11.22	ug/l	97
89) n-Butylbenzene	12.92	91	171746	11.02	ug/l	99
90) Hexachloroethane	12.99	117	42072	11.43	ug/l	67
91) 1,2-Dichlorobenzene	13.02	146	89605	12.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8429	10.96	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	62599	11.97	ug/l	97
94) Hexachlorobutadiene	14.26	225	36893	12.23	ug/l	96
95) Naphthalene	14.53	128	117364	10.50	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	54280	11.22	ug/l	97

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

