

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059269.D
 Acq On : 21 Jun 2018 18:36
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:46 AM

Quant Time: Jun 22 05:10:38 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	269319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	416700	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	407577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	236108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	528258	158.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.68%	
35) Dibromofluoromethane	4.29	113	453136	153.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.04%	
50) Toluene-d8	7.71	98	1167204	137.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.22%	
62) 4-Bromofluorobenzene	11.51	95	622704	139.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	413818	135.30	ug/l	93
3) Chloromethane	1.08	50	275665	120.90	ug/l	99
4) Vinyl Chloride	1.15	62	280484	133.80	ug/l	100
5) Bromomethane	1.34	94	161772	129.01	ug/l	97
6) Chloroethane	1.42	64	124281	139.53	ug/l	89
7) Trichlorofluoromethane	1.48	101	525514m	154.65	ug/l	
8) Diethyl Ether	1.70	74	127102	154.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	252774	120.48	ug/l	95
10) Methyl Iodide	1.97	142	516801	140.20	ug/l	88
11) Tert butyl alcohol	2.69	59	167131	794.70	ug/l	99
12) 1,1-Dichloroethene	1.85	96	264189	150.29	ug/l	90
13) Acrolein	2.09	56	130079	710.92	ug/l	96
14) Allyl chloride	2.19	41	497915	143.90	ug/l	92
15) Acrylonitrile	3.07	53	405085	1003.50	ug/l	92
16) Acetone	2.34	43	596151	749.32	ug/l	99
17) Carbon Disulfide	1.87	76	640877	132.58	ug/l	98
18) Methyl Acetate	2.45	43	253057m	181.85	ug/l	
19) Methyl tert-butyl Ether	2.54	73	902282	160.23	ug/l	97
20) Methylene Chloride	2.27	84	263323m	140.89	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	280160	143.52	ug/l	95
22) Diisopropyl ether	2.92	45	1087878	157.10	ug/l	94
23) Vinyl Acetate	3.33	43	3169377	701.80	ug/l	99
24) 1,1-Dichloroethane	2.99	63	638868	151.45	ug/l	99
25) 2-Butanone	4.51	43	808828	665.19	ug/l	99
26) 2,2-Dichloropropane	3.76	77	414679	136.17	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	410132	137.34	ug/l	99
28) Bromochloromethane	3.88	49	241418	129.33	ug/l	96
29) Tetrahydrofuran	4.25	42	368346	694.31	ug/l	98
30) Chloroform	4.03	83	900592	149.70	ug/l	97
31) Cyclohexane	3.86	56	418592	117.66	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	648608	143.54	ug/l	98
36) 1,1-Dichloropropene	4.45	75	604209	149.10	ug/l	98
37) Ethyl Acetate	4.29	43	378305	149.54	ug/l	83
38) Carbon Tetrachloride	4.17	117	726970m	161.71	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	532354	132.66	ug/l	93
40) Benzene	4.81	78	1249603	134.18	ug/l	96
41) Methacrylonitrile	4.92	41	192689	155.15	ug/l	97
42) 1,2-Dichloroethane	5.11	62	735224	167.03	ug/l	98
43) Isopropyl Acetate	7.10	43	526824	155.00	ug/l #	98
44) Trichloroethene	5.67	130	420060	140.57	ug/l	88
45) 1,2-Dichloropropane	6.39	63	365130	135.46	ug/l	99
46) Dibromomethane	6.26	93	313652	152.62	ug/l	92
47) Bromodichloromethane	6.54	83	737135	155.40	ug/l	97
48) Methyl methacrylate	6.87	41	341493	164.05	ug/l	93
49) 1,4-Dioxane	6.86	88	39082	2834.51	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1642058	703.66	ug/l	98
52) Toluene	7.77	92	928309	137.17	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	687512	148.54	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	741771	142.71	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	376424	150.99	ug/l	97
56) Ethyl methacrylate	8.76	69	477090	151.87	ug/l	96
57) 1,3-Dichloropropane	9.00	76	619122	146.28	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	164646	726.16	ug/l	100
59) 2-Hexanone	9.63	43	1291904	699.52	ug/l	95
60) Dibromochloromethane	8.86	129	576103	159.07	ug/l	92
61) 1,2-Dibromoethane	9.13	107	448266	154.47	ug/l	100
64) Tetrachloroethene	8.31	164	429855	142.77	ug/l	97
65) Chlorobenzene	9.94	112	1187083	145.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	483790	147.95	ug/l	96
67) Ethyl Benzene	10.04	91	1875254	133.18	ug/l	96
68) m/p-Xylenes	10.27	106	1285876	240.57	ug/l	95
69) o-Xylene	10.83	106	777748	135.27	ug/l	95
70) Styrene	10.90	104	1180067	136.44	ug/l	98
71) Bromoform	10.89	173	369263	164.05	ug/l #	96
73) Isopropylbenzene	11.22	105	2115277	129.51	ug/l	97
74) N-amyl acetate	11.46	43	782792	135.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	514050	132.73	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	406761	141.89	ug/l	97
77) Bromobenzene	11.60	156	590680	141.83	ug/l	93
78) n-propylbenzene	11.69	91	2347216	121.34	ug/l	96
79) 2-Chlorotoluene	11.82	91	1477929	128.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	1725263	126.93	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	265929	142.44	ug/l	92
82) 4-Chlorotoluene	11.99	91	1598656	130.75	ug/l	99
83) tert-Butylbenzene	12.22	119	1712985	126.32	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1855923	132.58	ug/l	93
85) sec-Butylbenzene	12.39	105	2306268	126.26	ug/l	95
86) p-Isopropyltoluene	12.54	119	1930407	128.31	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	986320	128.69	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	1032958	139.71	ug/l	96
89) n-Butylbenzene	12.92	91	1897371	121.30	ug/l	95
90) Hexachloroethane	13.00	117	509009	137.69	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	997085	135.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	128537	166.47	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	735506	140.09	ug/l	97
94) Hexachlorobutadiene	14.26	225	443586	146.43	ug/l	99
95) Naphthalene	14.53	128	1684168	150.07	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	716298	147.49	ug/l	94

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

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