

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059189.D
 Acq On : 18 Jun 2018 21:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/19/2018 3:54:35 PM

Quant Time: Jun 19 04:29:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	153899	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	244561	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	231899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	133914	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	105504	56.53	ug/l	-0.01
Spiked Amount 50.000			Recovery =	113.06%		
35) Dibromofluoromethane	4.28	113	96690	56.35	ug/l	-0.01
Spiked Amount 50.000			Recovery =	112.70%		
50) Toluene-d8	7.70	98	251965	49.98	ug/l	-0.01
Spiked Amount 50.000			Recovery =	99.96%		
62) 4-Bromofluorobenzene	11.50	95	126016	48.74	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	76915	44.157	ug/l	96
3) Chloromethane	1.08	50	55915	41.441	ug/l	98
4) Vinyl Chloride	1.14	62	57404	47.157	ug/l	97
5) Bromomethane	1.33	94	39610	55.845	ug/l #	78
6) Chloroethane	1.42	64	28793	57.007	ug/l #	86
7) Trichlorofluoromethane	1.49	101	93126m	49.217	ug/l	
8) Diethyl Ether	1.70	74	27361	57.474	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	62292	51.656	ug/l	97
10) Methyl Iodide	1.95	142	119737	56.746	ug/l	92
11) Tert butyl alcohol	2.68	59	38172	319.188	ug/l #	90
12) 1,1-Dichloroethene	1.84	96	55100	54.336	ug/l	83
13) Acrolein	2.09	56	29138	281.496	ug/l	99
14) Allyl chloride	2.19	41	109383	54.958	ug/l	98
15) Acrylonitrile	3.07	53	76591	322.465	ug/l	94
16) Acetone	2.33	43	141519	317.564	ug/l	94
17) Carbon Disulfide	1.84	76	142753	50.139	ug/l	100
18) Methyl Acetate	2.44	43	59220m	77.302	ug/l	
19) Methyl tert-butyl Ether	2.53	73	192019	60.997	ug/l	98
20) Methylene Chloride	2.27	84	64711	60.645	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	58355	52.472	ug/l	92
22) Diisopropyl ether	2.91	45	231183	59.088	ug/l	97
23) Vinyl Acetate	3.32	43	768173	297.780	ug/l	99
24) 1,1-Dichloroethane	2.99	63	134680	56.780	ug/l	98
25) 2-Butanone	4.50	43	192235	278.241	ug/l	100
26) 2,2-Dichloropropane	3.75	77	104942	60.984	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	90776	53.035	ug/l	92
28) Bromochloromethane	3.88	49	53471	50.084	ug/l	91
29) Tetrahydrofuran	4.25	42	87364	286.979	ug/l	97
30) Chloroform	4.03	83	187986	55.401	ug/l	90
31) Cyclohexane	3.85	56	97309	46.962	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	145921	57.603	ug/l	98
36) 1,1-Dichloropropene	4.45	75	125333	52.872	ug/l	93
37) Ethyl Acetate	4.28	43	92617	63.233	ug/l	98
38) Carbon Tetrachloride	4.16	117	145080	56.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	123540	51.127	ug/l	96
40) Benzene	4.80	78	299203	54.379	ug/l	97
41) Methacrylonitrile	4.92	41	39557	54.971	ug/l	96
42) 1,2-Dichloroethane	5.10	62	147168	59.637	ug/l	99
43) Isopropyl Acetate	7.10	43	103647	52.837	ug/l #	96
44) Trichloroethene	5.66	130	95920	55.793	ug/l	91
45) 1,2-Dichloropropane	6.39	63	79471	50.093	ug/l	100
46) Dibromomethane	6.25	93	65013	54.465	ug/l	88
47) Bromodichloromethane	6.53	83	156028	57.458	ug/l	98
48) Methyl methacrylate	6.86	41	67376	55.717	ug/l	92
49) 1,4-Dioxane	6.86	88	14086	1776.955	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	380804	283.235	ug/l	98
52) Toluene	7.76	92	197969	49.953	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	137456	52.268	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	156151	51.688	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	73558	51.220	ug/l	96
56) Ethyl methacrylate	8.75	69	91167	50.362	ug/l	93
57) 1,3-Dichloropropane	9.00	76	132168	53.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	34311	265.077	ug/l	100
59) 2-Hexanone	9.62	43	271932	255.700	ug/l	86
60) Dibromochloromethane	8.86	129	112020	54.281	ug/l	98
61) 1,2-Dibromoethane	9.12	107	89255	53.487	ug/l	98
64) Tetrachloroethene	8.31	164	87327	51.343	ug/l	97
65) Chlorobenzene	9.93	112	246166	53.607	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	105960	58.007	ug/l	92
67) Ethyl Benzene	10.03	91	421203	52.788	ug/l	96
68) m/p-Xylenes	10.26	106	295663	98.972	ug/l	89
69) o-Xylene	10.82	106	158744	49.167	ug/l	92
70) Styrene	10.90	104	252420	51.672	ug/l	99
71) Bromoform	10.88	173	73804	59.494	ug/l #	95
73) Isopropylbenzene	11.22	105	482134	52.002	ug/l	99
74) N-amyl acetate	11.46	43	166765	50.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	112493	51.177	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	86556	53.318	ug/l	98
77) Bromobenzene	11.59	156	124918	53.535	ug/l	89
78) n-propylbenzene	11.69	91	549910	50.110	ug/l	99
79) 2-Chlorotoluene	11.81	91	326520	50.365	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	404863	52.760	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	50753	48.219	ug/l	93
82) 4-Chlorotoluene	11.98	91	337496	48.899	ug/l	96
83) tert-Butylbenzene	12.21	119	422413	55.439	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	409295	51.478	ug/l	91
85) sec-Butylbenzene	12.39	105	526643	50.867	ug/l	99
86) p-Isopropyltoluene	12.54	119	466937	54.910	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	216545	50.266	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	219381	52.844	ug/l	97
89) n-Butylbenzene	12.92	91	428211	48.376	ug/l	96
90) Hexachloroethane	12.99	117	109121	52.108	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	212131	51.114	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	24625	57.113	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	161001	55.465	ug/l	92
94) Hexachlorobutadiene	14.25	225	100092	59.587	ug/l	94
95) Naphthalene	14.52	128	355207	57.290	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	153228	57.123	ug/l	99

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

