

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059427.D
 Acq On : 5 Jul 2018 11:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/6/2018 10:00:26 AM

Quant Time: Jul 06 05:08:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	268763	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	403347	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	399632	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	238379	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	172390	49.65	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	4.25	113	148222	50.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	7.67	98	351004	48.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.49	95	199372	48.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	117005	47.650	ug/l	96
3) Chloromethane	1.08	50	71015	43.048	ug/l	99
4) Vinyl Chloride	1.14	62	73001	44.957	ug/l	98
5) Bromomethane	1.32	94	42285	46.275	ug/l	97
6) Chloroethane	1.41	64	34440	42.110	ug/l	94
7) Trichlorofluoromethane	1.50	101	170964	53.243	ug/l	94
8) Diethyl Ether	1.69	74	38813	47.142	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	83820	44.720	ug/l	94
10) Methyl Iodide	1.94	142	145641	42.611	ug/l	96
11) Tert butyl alcohol	2.66	59	57704	249.618	ug/l	95
12) 1,1-Dichloroethene	1.84	96	82813	52.264	ug/l	98
13) Acrolein	2.07	56	28535	259.619	ug/l	93
14) Allyl chloride	2.16	41	139993	47.066	ug/l	98
15) Acrylonitrile	3.05	53	99155	243.574	ug/l	98
16) Acetone	2.32	43	252406	292.799	ug/l	99
17) Carbon Disulfide	1.86	76	162820	43.684	ug/l	99
18) Methyl Acetate	2.43	43	96685	61.969	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	310292	52.501	ug/l	96
20) Methylene Chloride	2.30	84	86918	43.704	ug/l	95
21) trans-1,2-Dichloroethene	2.39	96	81333	48.118	ug/l	93
22) Diisopropyl ether	2.90	45	344107	52.243	ug/l #	98
23) Vinyl Acetate	3.29	43	1048336	249.916	ug/l	99
24) 1,1-Dichloroethane	2.97	63	201388	49.314	ug/l	98
25) 2-Butanone	4.47	43	292140	278.427	ug/l	99
26) 2,2-Dichloropropane	3.72	77	145634	51.704	ug/l	95
27) cis-1,2-Dichloroethene	3.59	96	123957	48.302	ug/l	93
28) Bromochloromethane	3.85	49	75153	47.728	ug/l	99
29) Tetrahydrofuran	4.21	42	115990	260.064	ug/l	98
30) Chloroform	3.99	83	302706	51.202	ug/l	99
31) Cyclohexane	3.82	56	115853	43.305	ug/l	96
32) 1,1,1-Trichloroethane	4.23	97	204062	47.168	ug/l	98
36) 1,1-Dichloropropene	4.41	75	179726	51.007	ug/l	97
37) Ethyl Acetate	4.25	43	123341	54.865	ug/l #	97
38) Carbon Tetrachloride	4.12	117	233752m	52.568	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	144325	46.222	ug/l	95
40) Benzene	4.76	78	367161	46.997	ug/l	99
41) Methacrylonitrile	4.87	41	59883	49.822	ug/l #	88
42) 1,2-Dichloroethane	5.08	62	240270	52.632	ug/l	96
43) Isopropyl Acetate	7.07	43	154657	52.695	ug/l #	95
44) Trichloroethene	5.63	130	132682	49.508	ug/l	95
45) 1,2-Dichloropropane	6.36	63	112878	50.570	ug/l	98
46) Dibromomethane	6.21	93	103274	53.307	ug/l	97
47) Bromodichloromethane	6.51	83	254691	54.309	ug/l	98
48) Methyl methacrylate	6.83	41	109500	55.667	ug/l	93
49) 1,4-Dioxane	6.82	88	11623	1112.206	ug/l	89
51) 4-Methyl-2-Pentanone	8.37	43	562611	258.747	ug/l	99
52) Toluene	7.74	92	279346	47.785	ug/l	96
53) t-1,3-Dichloropropene	8.39	75	222397	52.026	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	242414	52.208	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	118924	52.395	ug/l	99
56) Ethyl methacrylate	8.73	69	143524	51.045	ug/l	96
57) 1,3-Dichloropropane	8.96	76	200201	51.429	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.74	63	52690	249.862	ug/l	100
59) 2-Hexanone	9.59	43	481967	298.315	ug/l	96
60) Dibromochloromethane	8.82	129	196035	55.944	ug/l	95
61) 1,2-Dibromoethane	9.10	107	134638	48.911	ug/l	98
64) Tetrachloroethene	8.26	164	138740	53.528	ug/l	99
65) Chlorobenzene	9.90	112	369912	49.953	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.03	131	171756	53.627	ug/l	96
67) Ethyl Benzene	10.00	91	652432	51.935	ug/l	97
68) m/p-Xylenes	10.23	106	465155	104.030	ug/l	97
69) o-Xylene	10.80	106	248490	49.686	ug/l	99
70) Styrene	10.88	104	384402	50.457	ug/l	99
71) Bromoform	10.86	173	123790	56.390	ug/l	97
73) Isopropylbenzene	11.20	105	788423	56.773	ug/l	99
74) N-amyl acetate	11.44	43	280241	55.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	180268	51.398	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	144895	54.767	ug/l	96
77) Bromobenzene	11.57	156	203950	52.934	ug/l	93
78) n-propylbenzene	11.66	91	866960	51.982	ug/l	100
79) 2-Chlorotoluene	11.78	91	528881	51.904	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	658128	54.101	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	86518	54.944	ug/l	97
82) 4-Chlorotoluene	11.96	91	576304	52.803	ug/l	93
83) tert-Butylbenzene	12.19	119	674276	55.419	ug/l	92
84) 1,2,4-Trimethylbenzene	12.26	105	683442	53.345	ug/l	100
85) sec-Butylbenzene	12.36	105	874867	54.247	ug/l	100
86) p-Isopropyltoluene	12.51	119	761448	56.260	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	367740	58.600	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	365744	53.154	ug/l	99
89) n-Butylbenzene	12.90	91	762168	55.472	ug/l	98
90) Hexachloroethane	12.97	117	182070	53.975	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	371570	53.122	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44864	57.704	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	295795	57.192	ug/l	97
94) Hexachlorobutadiene	14.24	225	176355	61.046	ug/l	96
95) Naphthalene	14.50	128	635462	58.724	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	288938	58.973	ug/l	97

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

