

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059449.D
 Acq On : 6 Jul 2018 14:05
 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
 7/9/2018 11:13:08 AM

Quant Time: Jul 07 03:31:42 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	5.02	168	250395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	377179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	372950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	234444	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	155732	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	4.27	113	132373	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	7.69	98	305926	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
62) 4-Bromofluorobenzene	11.49	95	184355	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	111733	48.84	ug/l	94
3) Chloromethane	1.08	50	62707	40.80	ug/l	94
4) Vinyl Chloride	1.14	62	72049	47.63	ug/l	95
5) Bromomethane	1.33	94	46302	54.89	ug/l	97
6) Chloroethane	1.42	64	37504	49.22	ug/l	99
7) Trichlorofluoromethane	1.48	101	164245m	54.90	ug/l	
8) Diethyl Ether	1.69	74	39110	50.99	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	89726	51.38	ug/l	92
10) Methyl Iodide	1.95	142	153308	48.14	ug/l	96
11) Tert butyl alcohol	2.68	59	55629	258.29	ug/l	97
12) 1,1-Dichloroethene	1.84	96	77327	52.38	ug/l	95
13) Acrolein	2.08	56	25353	246.62	ug/l	92
14) Allyl chloride	2.18	41	144475	52.14	ug/l	97
15) Acrylonitrile	3.05	53	110312	290.86	ug/l	96
16) Acetone	2.32	43	239777m	298.76	ug/l	
17) Carbon Disulfide	1.85	76	153180	44.11	ug/l #	94
18) Methyl Acetate	2.43	43	94463	65.04	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	295606	53.68	ug/l	94
20) Methylene Chloride	2.31	84	89784m	49.40	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	74576	47.36	ug/l	99
22) Diisopropyl ether	2.91	45	324976	52.96	ug/l	95
23) Vinyl Acetate	3.31	43	1014805	259.67	ug/l	99
24) 1,1-Dichloroethane	2.99	63	194354	51.08	ug/l	100
25) 2-Butanone	4.48	43	275255	281.61	ug/l	98
26) 2,2-Dichloropropane	3.73	77	147446	56.19	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	115178	48.17	ug/l	92
28) Bromochloromethane	3.86	49	73881	50.62	ug/l	88
29) Tetrahydrofuran	4.23	42	120887	292.02	ug/l	97
30) Chloroform	4.01	83	292176	53.05	ug/l	95
31) Cyclohexane	3.84	56	114840	46.08	ug/l	96
32) 1,1,1-Trichloroethane	4.25	97	213538	52.98	ug/l	93
36) 1,1-Dichloropropene	4.43	75	161470	49.01	ug/l	100
37) Ethyl Acetate	4.27	43	117639	55.99	ug/l	96
38) Carbon Tetrachloride	4.15	117	231247m	55.61	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	141304	48.39	ug/l	91
40) Benzene	4.78	78	354446	48.52	ug/l	98
41) Methacrylonitrile	4.90	41	54437	48.43	ug/l #	88
42) 1,2-Dichloroethane	5.09	62	238231	55.81	ug/l	98
43) Isopropyl Acetate	7.09	43	151144	55.07	ug/l	96
44) Trichloroethene	5.65	130	122815	49.01	ug/l	93
45) 1,2-Dichloropropane	6.38	63	109413	52.42	ug/l	99
46) Dibromomethane	6.23	93	101244	55.88	ug/l	99
47) Bromodichloromethane	6.52	83	244667	55.79	ug/l	100
48) Methyl methacrylate	6.85	41	98020	53.29	ug/l	95
49) 1,4-Dioxane	6.85	88	10162	1036.98	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	552484	271.72	ug/l	98
52) Toluene	7.76	92	272841	49.91	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	206014	51.54	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	234990	54.12	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	117101	55.17	ug/l	96
56) Ethyl methacrylate	8.74	69	140187	53.32	ug/l	95
57) 1,3-Dichloropropane	8.98	76	189421	52.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	52782	267.66	ug/l	100
59) 2-Hexanone	9.61	43	475687	315.86	ug/l	99
60) Dibromochloromethane	8.84	129	187693	57.28	ug/l	89
61) 1,2-Dibromoethane	9.12	107	134613	52.29	ug/l	98
64) Tetrachloroethene	8.28	164	122623	50.69	ug/l	98
65) Chlorobenzene	9.92	112	361387	52.29	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157500	52.69	ug/l	97
67) Ethyl Benzene	10.01	91	595328	50.78	ug/l	95
68) m/p-Xylenes	10.25	106	418599	100.32	ug/l	94
69) o-Xylene	10.81	106	243355	52.14	ug/l	99
70) Styrene	10.88	104	363184	51.08	ug/l	98
71) Bromoform	10.87	173	119317	58.24	ug/l	96
73) Isopropylbenzene	11.22	105	719565	52.68	ug/l	97
74) N-amyl acetate	11.44	43	269029	54.28	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	180363	52.29	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	142228	54.66	ug/l	95
77) Bromobenzene	11.58	156	199250	52.58	ug/l	88
78) n-propylbenzene	11.67	91	820410	50.02	ug/l	97
79) 2-Chlorotoluene	11.80	91	525127	52.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	644346	53.86	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	82171	53.06	ug/l	95
82) 4-Chlorotoluene	11.98	91	550997	51.33	ug/l	94
83) tert-Butylbenzene	12.20	119	645514	53.95	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	663691	52.67	ug/l	97
85) sec-Butylbenzene	12.38	105	832698	52.50	ug/l	98
86) p-Isopropyltoluene	12.53	119	691716	51.97	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	350126	56.57	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	357874	52.88	ug/l	98
89) n-Butylbenzene	12.90	91	719256	53.23	ug/l	97
90) Hexachloroethane	12.98	117	181547	54.72	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	362858	52.75	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43589	57.00	ug/l	73

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93) 1,2,4-Trichlorobenzene	14.25	180	290133	57.04	ug/l	97
94) Hexachlorobutadiene	14.24	225	171824	60.48	ug/l	95
95) Naphthalene	14.51	128	632862	59.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	287399	59.64	ug/l	98

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

