

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059304.D
 Acq On : 25 Jun 2018 16:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:03:17 AM

Quant Time: Jun 26 08:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	265269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	414109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	425591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	262541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	162268	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
35) Dibromofluoromethane	4.28	113	141880	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	
50) Toluene-d8	7.70	98	361219	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	
62) 4-Bromofluorobenzene	11.50	95	199644	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.97	85	121526	40.56	ug/l	100
3) Chloromethane	1.08	50	76733	40.64	ug/l	100
4) Vinyl Chloride	1.14	62	78752	42.13	ug/l	100
5) Bromomethane	1.33	94	52579	41.23	ug/l	100
6) Chloroethane	1.43	64	40014	43.72	ug/l	100
7) Trichlorofluoromethane	1.48	101	164670m	45.01	ug/l	
8) Diethyl Ether	1.69	74	37972	44.80	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89200	43.12	ug/l	100
10) Methyl Iodide	1.96	142	167285	44.09	ug/l	100
11) Tert butyl alcohol	2.67	59	58474	257.39	ug/l	100
12) 1,1-Dichloroethene	1.85	96	78031	42.13	ug/l	100
13) Acrolein	2.08	56	27625	152.52	ug/l	100
14) Allyl chloride	2.18	41	148259	43.27	ug/l	100
15) Acrylonitrile	3.06	53	100651	214.19	ug/l	100
16) Acetone	2.33	43	233585	255.94	ug/l	100
17) Carbon Disulfide	1.83	76	182213m	40.88	ug/l	
18) Methyl Acetate	2.44	43	79879	46.44	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	287591	46.12	ug/l	100
20) Methylene Chloride	2.27	84	95260m	47.87	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	79253	41.62	ug/l	100
22) Diisopropyl ether	2.91	45	322681	45.31	ug/l	100
23) Vinyl Acetate	3.32	43	1067915	234.05	ug/l	100
24) 1,1-Dichloroethane	2.99	63	197430	42.92	ug/l	100
25) 2-Butanone	4.49	43	272750	228.96	ug/l	100
26) 2,2-Dichloropropane	3.74	77	138066	43.31	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	122409	42.20	ug/l	100
28) Bromochloromethane	3.87	49	81339	42.32	ug/l	100
29) Tetrahydrofuran	4.23	42	116266	217.78	ug/l	100
30) Chloroform	4.02	83	286839	43.15	ug/l	100
31) Cyclohexane	3.84	56	128089	41.10	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	210887	42.29	ug/l	100
36) 1,1-Dichloropropene	4.44	75	169747	40.49	ug/l	100
37) Ethyl Acetate	4.28	43	123501	44.81	ug/l	100
38) Carbon Tetrachloride	4.15	117	221038m	42.74	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	153193	40.64	ug/l	100
40) Benzene	4.79	78	380040	42.38	ug/l	100
41) Methacrylonitrile	4.91	41	61497	46.87	ug/l	100
42) 1,2-Dichloroethane	5.10	62	230289	44.71	ug/l	100
43) Isopropyl Acetate	7.10	43	149838	45.18	ug/l	100
44) Trichloroethene	5.66	130	130719	42.39	ug/l	100
45) 1,2-Dichloropropane	6.39	63	108405	41.69	ug/l	100
46) Dibromomethane	6.24	93	102142	45.78	ug/l	100
47) Bromodichloromethane	6.53	83	242842	45.65	ug/l	100
48) Methyl methacrylate	6.86	41	102955	48.49	ug/l	100
49) 1,4-Dioxane	6.85	88	11468	921.77	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	564355	235.64	ug/l	100
52) Toluene	7.77	92	291573	42.03	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	218089	43.89	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	246151	46.59	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	120386	44.91	ug/l	100
56) Ethyl methacrylate	8.74	69	150865	48.98	ug/l	100
57) 1,3-Dichloropropane	8.99	76	197382	44.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	53190	217.28	ug/l	100
59) 2-Hexanone	9.62	43	467693	244.13	ug/l	100
60) Dibromochloromethane	8.85	129	191639	48.32	ug/l	100
61) 1,2-Dibromoethane	9.13	107	146448	47.08	ug/l	100
64) Tetrachloroethene	8.29	164	136687	43.06	ug/l	100
65) Chlorobenzene	9.93	112	373391	42.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	163937	44.23	ug/l	100
67) Ethyl Benzene	10.02	91	622615	41.75	ug/l	100
68) m/p-Xylenes	10.26	106	446556	83.84	ug/l	100
69) o-Xylene	10.81	106	256633	43.48	ug/l	100
70) Styrene	10.89	104	392280	43.75	ug/l	100
71) Bromoform	10.88	173	118075	44.87	ug/l	100
73) Isopropylbenzene	11.22	105	747713	42.70	ug/l	100
74) N-amyl acetate	11.45	43	276080	47.27	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	193098	46.06	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	141654	46.22	ug/l	100
77) Bromobenzene	11.58	156	203948	42.99	ug/l	100
78) n-propylbenzene	11.68	91	852931	41.37	ug/l	100
79) 2-Chlorotoluene	11.81	91	518329	41.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	634644	42.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	86166	44.48	ug/l	100
82) 4-Chlorotoluene	11.99	91	577914	43.10	ug/l	100
83) tert-Butylbenzene	12.21	119	652566	43.70	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	675679	43.19	ug/l	100
85) sec-Butylbenzene	12.38	105	856917	42.72	ug/l	100
86) p-Isopropyltoluene	12.53	119	719727	43.75	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	365900	42.97	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	354130	42.24	ug/l	100
89) n-Butylbenzene	12.91	91	700478	41.89	ug/l	100
90) Hexachloroethane	12.99	117	178682	43.13	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	374534	43.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	44396	49.03	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285485	46.12	ug/l	100
94) Hexachlorobutadiene	14.25	225	154575	42.67	ug/l	100
95) Naphthalene	14.52	128	631108	49.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	276912	47.56	ug/l	100

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

