

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112718\
 Data File : VF060835.D
 Acq On : 27 Nov 2018 13:08
 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
 11/28/2018 2:12:19 PM

Quant Time: Nov 28 09:31:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	212420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	351723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	330005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	121949	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	4.14	113	139748	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.57	98	414297	50.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.43	95	183592	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	147920	46.57	ug/l	100
3) Chloromethane	1.11	50	98170	47.50	ug/l	94
4) Vinyl Chloride	1.14	62	100105	51.93	ug/l	89
5) Bromomethane	1.32	94	67491	49.65	ug/l	86
6) Chloroethane	1.40	64	44358	53.23	ug/l	90
7) Trichlorofluoromethane	1.49	101	198662	48.03	ug/l	94
8) Diethyl Ether	1.64	74	29880	50.24	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	99172	47.43	ug/l	95
10) Methyl Iodide	1.92	142	127169	40.01	ug/l	97
11) Tert butyl alcohol	2.59	59	27435	267.45	ug/l	100
12) 1,1-Dichloroethene	1.80	96	81617	48.53	ug/l	88
13) Acrolein	2.01	56	26831	276.07	ug/l	100
14) Allyl chloride	2.11	41	100039	47.72	ug/l	98
15) Acrylonitrile	2.97	53	56212	244.43	ug/l	97
16) Acetone	2.26	43	135150	292.88	ug/l	98
17) Carbon Disulfide	1.84	76	218655m	48.48	ug/l	
18) Methyl Acetate	2.36	43	40986	53.04	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	181217	47.84	ug/l	96
20) Methylene Chloride	2.27	84	74786m	44.18	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	65507	40.40	ug/l	97
22) Diisopropyl ether	2.82	45	269120	47.16	ug/l	99
23) Vinyl Acetate	3.21	43	715742	274.39	ug/l	98
24) 1,1-Dichloroethane	2.89	63	165271	48.68	ug/l	99
25) 2-Butanone	4.36	43	211278	264.71	ug/l	97
26) 2,2-Dichloropropane	3.63	77	97066	44.10	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	127363	48.25	ug/l	99
28) Bromochloromethane	3.75	49	82139	50.41	ug/l	97
29) Tetrahydrofuran	4.10	42	85648	253.15	ug/l	95
30) Chloroform	3.88	83	234111	44.80	ug/l	99
31) Cyclohexane	3.72	56	172003m	48.82	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	148732	41.04	ug/l	94
36) 1,1-Dichloropropene	4.31	75	187280	48.01	ug/l	97
37) Ethyl Acetate	4.14	43	79282	50.01	ug/l #	82
38) Carbon Tetrachloride	4.02	117	143338	41.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	170570	41.72	ug/l	97
40) Benzene	4.66	78	420678	48.81	ug/l	98
41) Methacrylonitrile	4.77	41	40925	49.85	ug/l	92
42) 1,2-Dichloroethane	4.97	62	150941	47.97	ug/l	98
43) Isopropyl Acetate	6.98	43	99168	50.74	ug/l	93
44) Trichloroethene	5.53	130	128571	45.63	ug/l	95
45) 1,2-Dichloropropane	6.26	63	114464	51.14	ug/l	98
46) Dibromomethane	6.11	93	71528	47.11	ug/l	97
47) Bromodichloromethane	6.41	83	189822	47.07	ug/l	99
48) Methyl methacrylate	6.74	41	66833	46.57	ug/l	95
49) 1,4-Dioxane	6.74	88	10841	1032.24	ug/l #	77
51) 4-Methyl-2-Pentanone	8.28	43	353958	242.12	ug/l	99
52) Toluene	7.65	92	283428	46.82	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	149976	45.72	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	198687	48.92	ug/l	96
55) 1,1,2-Trichloroethane	8.52	97	84369	47.83	ug/l	95
56) Ethyl methacrylate	8.65	69	93817	47.88	ug/l	96
57) 1,3-Dichloropropane	8.88	76	151152	48.98	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.33	63	45985	229.42	ug/l	97
59) 2-Hexanone	9.52	43	263305	256.72	ug/l	98
60) Dibromochloromethane	8.75	129	122411	46.57	ug/l	98
61) 1,2-Dibromoethane	9.02	107	90687	47.59	ug/l	100
64) Tetrachloroethene	8.18	164	118205	46.90	ug/l	97
65) Chlorobenzene	9.83	112	313090	48.77	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	133692	48.44	ug/l	93
67) Ethyl Benzene	9.93	91	578031	48.36	ug/l	97
68) m/p-Xylenes	10.16	106	405911	94.43	ug/l	98
69) o-Xylene	10.74	106	234061	49.38	ug/l	98
70) Styrene	10.82	104	302542	46.04	ug/l	98
71) Bromoform	10.80	173	65481	49.12	ug/l	96
73) Isopropylbenzene	11.14	105	657693	48.72	ug/l	100
74) N-amyl acetate	11.39	43	159265	51.09	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	113398	51.04	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	80899	50.09	ug/l	91
77) Bromobenzene	11.52	156	139969	47.29	ug/l	85
78) n-propylbenzene	11.62	91	757028	47.88	ug/l	96
79) 2-Chlorotoluene	11.75	91	447044	49.31	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	526592	48.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	39183m	49.52	ug/l	
82) 4-Chlorotoluene	11.92	91	444588	46.60	ug/l	95
83) tert-Butylbenzene	12.15	119	548585	49.14	ug/l	98
84) 1,2,4-Trimethylbenzene	12.23	105	501312	45.83	ug/l	99
85) sec-Butylbenzene	12.33	105	727646	47.61	ug/l	99
86) p-Isopropyltoluene	12.49	119	588567	45.93	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	260188	46.21	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	260619	47.50	ug/l	97
89) n-Butylbenzene	12.86	91	579003	44.69	ug/l	97
90) Hexachloroethane	12.94	117	151763	49.19	ug/l	92
91) 1,2-Dichlorobenzene	12.97	146	250580	47.00	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20694	48.17	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	174418	46.82	ug/l	99
94) Hexachlorobutadiene	14.21	225	113194	45.58	ug/l	99
95) Naphthalene	14.48	128	364684	50.47	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	165497	47.85	ug/l	98

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

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