

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056650.D
 Acq On : 23 Feb 2018 11:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:54 AM

Quant Time: Feb 24 00:51:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.78	168	440798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.51	114	693326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.68	117	658079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.47	152	336121	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.75	65	274846	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	4.02	113	266666	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	7.47	98	765947	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.33	95	347375	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.93	85	203485	45.77	ug/l	96
3) Chloromethane	1.02	50	219383	44.25	ug/l	99
4) Vinyl Chloride	1.09	62	180100	51.13	ug/l	95
5) Bromomethane	1.26	94	96163	48.82	ug/l	99
6) Chloroethane	1.33	64	63087	44.57	ug/l	99
7) Trichlorofluoromethane	1.39	101	217232m	59.15	ug/l	
8) Diethyl Ether	1.59	74	69649	52.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	164517	52.90	ug/l	95
10) Methyl Iodide	1.84	142	316833m	54.65	ug/l	
11) Tert butyl alcohol	2.50	59	96018	266.95	ug/l #	91
12) 1,1-Dichloroethene	1.71	96	147854	51.61	ug/l	98
13) Acrolein	1.95	56	84584	219.68	ug/l	90
14) Allyl chloride	2.04	41	255508	51.88	ug/l	93
15) Acrylonitrile	2.86	53	224561	247.75	ug/l	95
16) Acetone	2.18	43	456856	291.31	ug/l	97
17) Carbon Disulfide	1.72	76	410855	55.00	ug/l	96
18) Methyl Acetate	2.29	43	144961	46.48	ug/l	93
19) Methyl tert-butyl Ether	2.37	73	437398	51.63	ug/l	100
20) Methylene Chloride	2.13	84	157065	52.61	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	161109	53.38	ug/l	86
22) Diisopropyl ether	2.73	45	553980	50.18	ug/l	98
23) Vinyl Acetate	3.11	43	2170836	241.68	ug/l	98
24) 1,1-Dichloroethane	2.80	63	325260	53.34	ug/l	99
25) 2-Butanone	4.23	43	607461	217.82	ug/l	98
26) 2,2-Dichloropropane	3.52	77	198232	58.74	ug/l	97
27) cis-1,2-Dichloroethene	3.39	96	247262	48.76	ug/l	99
28) Bromochloromethane	3.63	49	150458	48.62	ug/l	93
29) Tetrahydrofuran	3.98	42	275951	213.70	ug/l	98
30) Chloroform	3.77	83	436822	50.05	ug/l	99
31) Cyclohexane	3.63	56	291415	44.49	ug/l	92
32) 1,1,1-Trichloroethane	4.02	97	289232	54.70	ug/l	98
36) 1,1-Dichloropropene	4.19	75	319435	48.93	ug/l	97
37) Ethyl Acetate	4.02	43	248847	42.63	ug/l #	95
38) Carbon Tetrachloride	3.91	117	289877	59.65	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	333735	47.27	ug/l	98
40) Benzene	4.55	78	794860	48.01	ug/l	97
41) Methacrylonitrile	4.65	41	115004	40.59	ug/l	94
42) 1,2-Dichloroethane	4.85	62	324197	50.38	ug/l	96
43) Isopropyl Acetate	6.87	43	326870	45.68	ug/l	99
44) Trichloroethene	5.42	130	234241	48.22	ug/l	96
45) 1,2-Dichloropropane	6.14	63	225580	47.82	ug/l	98
46) Dibromomethane	6.00	93	182779	50.37	ug/l	94
47) Bromodichloromethane	6.29	83	354889	52.92	ug/l	97
48) Methyl methacrylate	6.63	41	200570	47.83	ug/l	92
49) 1,4-Dioxane	6.62	88	44490	1029.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.17	43	1051553	214.82	ug/l	99
52) Toluene	7.53	92	523235	47.46	ug/l	98
53) t-1,3-Dichloropropene	8.18	75	335704	49.70	ug/l	99
54) cis-1,3-Dichloropropene	7.21	75	377448	48.02	ug/l	96
55) 1,1,2-Trichloroethane	8.39	97	208426	47.72	ug/l	96
56) Ethyl methacrylate	8.53	69	276595	48.49	ug/l	95
57) 1,3-Dichloropropane	8.76	76	352502	46.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.53	63	80470	103.77	ug/l	100
59) 2-Hexanone	9.40	43	888408	223.61	ug/l	99
60) Dibromochloromethane	8.62	129	277615	52.42	ug/l	97
61) 1,2-Dibromoethane	8.88	107	248556	49.14	ug/l	93
64) Tetrachloroethene	8.07	164	216432	45.70	ug/l	99
65) Chlorobenzene	9.70	112	628880	48.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.83	131	223751	50.34	ug/l	97
67) Ethyl Benzene	9.81	91	1036424	47.13	ug/l	98
68) m/p-Xylenes	10.04	106	746979	92.88	ug/l	97
69) o-Xylene	10.63	106	387880	46.46	ug/l	99
70) Styrene	10.70	104	632047	47.77	ug/l	98
71) Bromoform	10.68	173	176621	49.65	ug/l	100
73) Isopropylbenzene	11.04	105	1118317	50.51	ug/l	100
74) N-amyl acetate	11.30	43	446138	45.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	302499	45.16	ug/l	97
76) 1,2,3-Trichloropropane	11.71	75	234064	45.54	ug/l	100
77) Bromobenzene	11.42	156	304747	50.74	ug/l	97
78) n-propylbenzene	11.52	91	1324286	48.55	ug/l	100
79) 2-Chlorotoluene	11.64	91	771344	48.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.75	105	881479	48.05	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.79	75	140257	49.81	ug/l	97
82) 4-Chlorotoluene	11.82	91	858521	49.13	ug/l	97
83) tert-Butylbenzene	12.06	119	888955	50.04	ug/l	98
84) 1,2,4-Trimethylbenzene	12.13	105	946125	49.45	ug/l	99
85) sec-Butylbenzene	12.24	105	1202665	49.17	ug/l	94
86) p-Isopropyltoluene	12.38	119	950845	48.42	ug/l	98
87) 1,3-Dichlorobenzene	12.39	146	516304	46.75	ug/l	99
88) 1,4-Dichlorobenzene	12.48	146	514078	48.48	ug/l	99
89) n-Butylbenzene	12.77	91	1003652	55.22	ug/l	99
90) Hexachloroethane	12.84	117	206009	54.58	ug/l	94
91) 1,2-Dichlorobenzene	12.87	146	516170	48.71	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.56	75	59671	47.82	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	353191	49.10	ug/l	95
94) Hexachlorobutadiene	14.11	225	193629	47.20	ug/l	98
95) Naphthalene	14.37	128	853453	47.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.51	180	330689	47.58	ug/l	99

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

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