

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061056.D
 Acq On : 18 Dec 2018 11:45
 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

MMDadoda
 12/19/2018 2:14:47 PM

Quant Time: Dec 19 01:13:30 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	4.87	168	162681	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	289487	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	259132	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	136957	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	100777	52.59	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.18%	
35) Dibromofluoromethane	4.12	113	111422	48.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.04%	
50) Toluene-d8	7.55	98	308131	45.55	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	11.41	95	151753	49.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	98395	40.452	ug/l	100
3) Chloromethane	1.11	50	69978	44.211	ug/l	94
4) Vinyl Chloride	1.14	62	69704	47.212	ug/l	94
5) Bromomethane	1.34	94	48134	46.235	ug/l	90
6) Chloroethane	1.39	64	33823	52.997	ug/l	98
7) Trichlorofluoromethane	1.49	101	157680m	49.776	ug/l	
8) Diethyl Ether	1.63	74	24686	54.193	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	80771	50.436	ug/l	94
10) Methyl Iodide	1.91	142	125960m	51.745	ug/l	
11) Tert butyl alcohol	2.57	59	23783	302.739	ug/l	95
12) 1,1-Dichloroethene	1.79	96	57736	44.822	ug/l	82
13) Acrolein	2.00	56	18449	247.862	ug/l	91
14) Allyl chloride	2.10	41	71204	44.350	ug/l	93
15) Acrylonitrile	2.94	53	51942	294.917	ug/l	99
16) Acetone	2.23	43	117052	331.215	ug/l	97
17) Carbon Disulfide	1.84	76	131972m	38.211	ug/l	
18) Methyl Acetate	2.34	43	37229	63.229	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	159766	55.069	ug/l	97
20) Methylene Chloride	2.24	84	61598m	47.512	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	49638	39.971	ug/l	89
22) Diisopropyl ether	2.80	45	242430	55.473	ug/l	98
23) Vinyl Acetate	3.19	43	575016	287.843	ug/l	98
24) 1,1-Dichloroethane	2.87	63	142483	54.799	ug/l	97
25) 2-Butanone	4.34	43	180555	295.381	ug/l	92
26) 2,2-Dichloropropane	3.60	77	85654	50.813	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	106823	52.837	ug/l	95
28) Bromochloromethane	3.71	49	65361	52.379	ug/l	93
29) Tetrahydrofuran	4.08	42	69086	266.633	ug/l	97
30) Chloroform	3.86	83	208709	52.155	ug/l	96
31) Cyclohexane	3.69	56	119086m	44.131	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	127477	45.933	ug/l	98
36) 1,1-Dichloropropene	4.28	75	143899	44.816	ug/l	97
37) Ethyl Acetate	4.12	43	63039	48.312	ug/l #	82
38) Carbon Tetrachloride	3.99	117	124208	43.797	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	131818	39.174	ug/l	96
40) Benzene	4.63	78	317856	44.809	ug/l	98
41) Methacrylonitrile	4.75	41	37280	55.619	ug/l	95
42) 1,2-Dichloroethane	4.95	62	131085	50.618	ug/l	96
43) Isopropyl Acetate	6.96	43	84395	52.562	ug/l #	97
44) Trichloroethene	5.50	130	101286	43.670	ug/l	94
45) 1,2-Dichloropropane	6.24	63	96521	52.392	ug/l	96
46) Dibromomethane	6.09	93	62656	50.135	ug/l	97
47) Bromodichloromethane	6.39	83	168188	50.670	ug/l	96
48) Methyl methacrylate	6.71	41	58711	49.709	ug/l	94
49) 1,4-Dioxane	6.71	88	7854m	908.602	ug/l	
51) 4-Methyl-2-Pentanone	8.26	43	295536	245.614	ug/l	99
52) Toluene	7.63	92	216128	43.377	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	131579	48.734	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	161934	48.447	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	70148	48.316	ug/l	98
56) Ethyl methacrylate	8.63	69	77014	47.751	ug/l	94
57) 1,3-Dichloropropane	8.85	76	129348	50.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	73339	444.560	ug/l	99
59) 2-Hexanone	9.49	43	227042	268.957	ug/l	99
60) Dibromochloromethane	8.72	129	108984	50.380	ug/l	97
61) 1,2-Dibromoethane	8.99	107	75932	48.413	ug/l	92
64) Tetrachloroethene	8.15	164	91373	46.165	ug/l	99
65) Chlorobenzene	9.80	112	249934	49.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	105361	48.617	ug/l	93
67) Ethyl Benzene	9.90	91	462279	49.257	ug/l	99
68) m/p-Xylenes	10.14	106	329854	97.722	ug/l	99
69) o-Xylene	10.72	106	186424	50.086	ug/l	99
70) Styrene	10.79	104	260036	50.398	ug/l	96
71) Bromoform	10.78	173	54249	51.823	ug/l	100
73) Isopropylbenzene	11.12	105	564911	52.195	ug/l	98
74) N-amyl acetate	11.37	43	134122	53.666	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	98068	55.056	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	69281	53.510	ug/l	91
77) Bromobenzene	11.50	156	118590	49.978	ug/l	85
78) n-propylbenzene	11.60	91	639716	50.472	ug/l	97
79) 2-Chlorotoluene	11.72	91	376765	51.842	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	433738	49.365	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	34274m	54.029	ug/l	
82) 4-Chlorotoluene	11.90	91	379914	49.674	ug/l	94
83) tert-Butylbenzene	12.13	119	472553	52.799	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	423431	48.287	ug/l	100
85) sec-Butylbenzene	12.31	105	609943	49.783	ug/l	100
86) p-Isopropyltoluene	12.46	119	506559	49.314	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	214874	47.607	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	217470	49.441	ug/l	96
89) n-Butylbenzene	12.85	91	515770	49.657	ug/l	97
90) Hexachloroethane	12.92	117	123832	50.063	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	204878	47.933	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	18648	54.149	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	145374	48.677	ug/l	98
94) Hexachlorobutadiene	14.19	225	97267	48.856	ug/l	99
95) Naphthalene	14.46	128	288520	49.757	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	143628	51.795	ug/l	99

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

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 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

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