

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061077.D
 Acq On : 19 Dec 2018 11:05
 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
 12/20/2018 10:29:16 AM

Quant Time: Dec 20 02:32:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	241924	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	398718	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	375937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	168629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	146489	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	4.11	113	155661	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	7.54	98	451482	49.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.41	95	205784	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.95	85	230825	42.922	ug/l	99
3) Chloromethane	1.10	50	151064	49.039	ug/l	96
4) Vinyl Chloride	1.14	62	135504	47.418	ug/l	93
5) Bromomethane	1.34	94	92638	46.738	ug/l	100
6) Chloroethane	1.39	64	63177	47.980	ug/l #	86
7) Trichlorofluoromethane	1.49	101	251163	46.031	ug/l	96
8) Diethyl Ether	1.62	74	35851	47.982	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	124259	43.922	ug/l	94
10) Methyl Iodide	1.90	142	211708m	47.474	ug/l	
11) Tert butyl alcohol	2.57	59	28083	223.655	ug/l	98
12) 1,1-Dichloroethene	1.78	96	100121	46.949	ug/l	97
13) Acrolein	2.00	56	24443	269.398	ug/l	89
14) Allyl chloride	2.09	41	125960	56.757	ug/l	88
15) Acrylonitrile	2.94	53	71411	245.945	ug/l	98
16) Acetone	2.24	43	157407	253.052	ug/l	93
17) Carbon Disulfide	1.83	76	310997	48.257	ug/l	96
18) Methyl Acetate	2.34	43	58259	45.270	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	220438	46.569	ug/l	93
20) Methylene Chloride	2.18	84	100121m	50.406	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	101384m	44.449	ug/l	
22) Diisopropyl ether	2.80	45	358561	48.504	ug/l	92
23) Vinyl Acetate	3.18	43	867968	254.514	ug/l	99
24) 1,1-Dichloroethane	2.87	63	203276	46.410	ug/l	99
25) 2-Butanone	4.33	43	241144	239.035	ug/l	98
26) 2,2-Dichloropropane	3.60	77	119224	47.432	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	164211	47.027	ug/l	93
28) Bromochloromethane	3.71	49	113154	50.915	ug/l	93
29) Tetrahydrofuran	4.07	42	95152	231.738	ug/l	99
30) Chloroform	3.85	83	294410	44.829	ug/l	100
31) Cyclohexane	3.69	56	227134m	49.975	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	176204	44.763	ug/l	97
36) 1,1-Dichloropropene	4.27	75	233468	48.510	ug/l	99
37) Ethyl Acetate	4.11	43	88318	46.629	ug/l	94
38) Carbon Tetrachloride	3.98	117	173077	47.222	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	235746	54.600	ug/l	97
40) Benzene	4.62	78	496462	47.967	ug/l	97
41) Methacrylonitrile	4.74	41	47445	46.679	ug/l	97
42) 1,2-Dichloroethane	4.94	62	173996	44.254	ug/l	97
43) Isopropyl Acetate	6.95	43	111016	47.772	ug/l #	99
44) Trichloroethene	5.49	130	156191	47.866	ug/l	96
45) 1,2-Dichloropropane	6.23	63	130009	46.170	ug/l	93
46) Dibromomethane	6.07	93	83138	45.522	ug/l	94
47) Bromodichloromethane	6.38	83	220937	46.559	ug/l	97
48) Methyl methacrylate	6.71	41	76856	47.375	ug/l	95
49) 1,4-Dioxane	6.70	88	10984	933.109	ug/l #	83
51) 4-Methyl-2-Pentanone	8.25	43	377630	236.943	ug/l	96
52) Toluene	7.62	92	318414	46.476	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	184217	48.122	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	235187	48.951	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	96583	47.025	ug/l	95
56) Ethyl methacrylate	8.62	69	110407	49.678	ug/l	98
57) 1,3-Dichloropropane	8.84	76	180229	48.518	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	105778	247.819	ug/l	98
59) 2-Hexanone	9.49	43	290572	252.108	ug/l	97
60) Dibromochloromethane	8.71	129	138698	47.110	ug/l	95
61) 1,2-Dibromoethane	8.98	107	108244	49.347	ug/l	98
64) Tetrachloroethene	8.14	164	138939	48.044	ug/l	95
65) Chlorobenzene	9.79	112	361235	46.513	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	140439	44.250	ug/l	96
67) Ethyl Benzene	9.89	91	652978	46.151	ug/l	99
68) m/p-Xylenes	10.13	106	452016	90.779	ug/l	95
69) o-Xylene	10.71	106	259954	47.073	ug/l	88
70) Styrene	10.79	104	347730	51.855	ug/l	99
71) Bromoform	10.77	173	69324	47.212	ug/l #	95
73) Isopropylbenzene	11.12	105	719784	49.532	ug/l	100
74) N-amyl acetate	11.37	43	170782	52.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	120311	49.885	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	85509	47.642	ug/l	97
77) Bromobenzene	11.49	156	159835	51.095	ug/l	97
78) n-propylbenzene	11.59	91	848755	50.926	ug/l	99
79) 2-Chlorotoluene	11.71	91	484071	48.559	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	581693	48.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	41951m	54.393	ug/l	
82) 4-Chlorotoluene	11.89	91	495224	48.022	ug/l	99
83) tert-Butylbenzene	12.13	119	566595	46.016	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	572625	47.989	ug/l	99
85) sec-Butylbenzene	12.31	105	810953	50.468	ug/l	95
86) p-Isopropyltoluene	12.45	119	668288	50.105	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	287816	57.147	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	276458	48.129	ug/l	97
89) n-Butylbenzene	12.84	91	664850	49.152	ug/l	98
90) Hexachloroethane	12.92	117	165001	50.072	ug/l	76
91) 1,2-Dichlorobenzene	12.94	146	274780	49.135	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22360	50.523	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	196581	49.566	ug/l	94
94) Hexachlorobutadiene	14.19	225	131044	51.878	ug/l	97
95) Naphthalene	14.46	128	383949	53.016	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	186215	50.789	ug/l	96

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

