

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060950.D
 Acq On : 10 Dec 2018 13:17
 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
 12/11/2018 11:32:11 AM

Quant Time: Dec 11 05:52:46 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	4.86	168	198766	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	320292	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	293875	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	154277	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	113078	48.29	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.58%	
35) Dibromofluoromethane	4.11	113	120070	47.25	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	7.55	98	346793	46.33	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.66%	
62) 4-Bromofluorobenzene	11.40	95	156615	46.04	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	121133	40.759	ug/l	93
3) Chloromethane	1.11	50	79471	41.093	ug/l	94
4) Vinyl Chloride	1.14	62	81084	44.949	ug/l	97
5) Bromomethane	1.33	94	57190	44.961	ug/l	92
6) Chloroethane	1.39	64	36639	46.987	ug/l	99
7) Trichlorofluoromethane	1.47	101	181037	46.774	ug/l	86
8) Diethyl Ether	1.63	74	26947	48.417	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	91664	46.846	ug/l	94
10) Methyl Iodide	1.91	142	142194m	47.809	ug/l	
11) Tert butyl alcohol	2.57	59	22526	234.682	ug/l	100
12) 1,1-Dichloroethene	1.80	96	71960	45.722	ug/l	98
13) Acrolein	1.99	56	19505	214.476	ug/l	86
14) Allyl chloride	2.09	41	87528	44.620	ug/l	96
15) Acrylonitrile	2.94	53	49293	229.067	ug/l	97
16) Acetone	2.23	43	128743	298.160	ug/l	99
17) Carbon Disulfide	1.84	76	176256m	41.768	ug/l	
18) Methyl Acetate	2.34	43	40319	55.851	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	172072	48.543	ug/l	100
20) Methylene Chloride	2.26	84	71587m	45.192	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	72127m	47.536	ug/l	
22) Diisopropyl ether	2.79	45	253706	47.514	ug/l	99
23) Vinyl Acetate	3.18	43	617253	252.891	ug/l	98
24) 1,1-Dichloroethane	2.86	63	158318	49.835	ug/l	98
25) 2-Butanone	4.33	43	190988	255.725	ug/l	99
26) 2,2-Dichloropropane	3.59	77	102894	49.958	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	121353	49.127	ug/l	96
28) Bromochloromethane	3.71	49	69709	45.721	ug/l	93
29) Tetrahydrofuran	4.07	42	67441	213.031	ug/l	98
30) Chloroform	3.86	83	234631	47.988	ug/l	99
31) Cyclohexane	3.68	56	144576m	43.851	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	136753	40.330	ug/l	97
36) 1,1-Dichloropropene	4.27	75	167821	47.239	ug/l	99
37) Ethyl Acetate	4.11	43	63159	43.749	ug/l	99
38) Carbon Tetrachloride	3.99	117	137081	43.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	171383	46.033	ug/l	96
40) Benzene	4.63	78	357724	45.580	ug/l	100
41) Methacrylonitrile	4.74	41	35712	47.591	ug/l	92
42) 1,2-Dichloroethane	4.93	62	142863	49.860	ug/l	97
43) Isopropyl Acetate	6.96	43	85481	47.874	ug/l #	95
44) Trichloroethene	5.50	130	123737	48.219	ug/l	99
45) 1,2-Dichloropropane	6.23	63	99343	48.738	ug/l	92
46) Dibromomethane	6.08	93	66566	48.141	ug/l	97
47) Bromodichloromethane	6.38	83	186811	50.867	ug/l	99
48) Methyl methacrylate	6.71	41	60094	45.986	ug/l	92
49) 1,4-Dioxane	6.70	88	9687	1012.874	ug/l	92
51) 4-Methyl-2-Pentanone	8.26	43	306287	230.067	ug/l	100
52) Toluene	7.62	92	247893	44.967	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	145852	48.825	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	174274	47.124	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	74865	46.605	ug/l	97
56) Ethyl methacrylate	8.61	69	85520	47.925	ug/l	94
57) 1,3-Dichloropropane	8.85	76	133698	47.573	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	54331	297.664	ug/l	95
59) 2-Hexanone	9.49	43	230746	247.055	ug/l	96
60) Dibromochloromethane	8.71	129	114903	48.008	ug/l	100
61) 1,2-Dibromoethane	8.98	107	82285	47.418	ug/l	98
64) Tetrachloroethene	8.15	164	104692	46.641	ug/l	96
65) Chlorobenzene	9.80	112	284952	49.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	125003	50.861	ug/l	97
67) Ethyl Benzene	9.90	91	510948	48.006	ug/l	97
68) m/p-Xylenes	10.13	106	349200	91.223	ug/l	99
69) o-Xylene	10.70	106	195146	46.230	ug/l	88
70) Styrene	10.78	104	278041	47.517	ug/l	98
71) Bromoform	10.77	173	56399	47.508	ug/l	99
73) Isopropylbenzene	11.12	105	610959	50.112	ug/l	99
74) N-amyl acetate	11.37	43	132481	47.058	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	97782	48.732	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	71700	49.162	ug/l	99
77) Bromobenzene	11.49	156	121280	45.374	ug/l	86
78) n-propylbenzene	11.59	91	679643	47.602	ug/l	96
79) 2-Chlorotoluene	11.72	91	405317	49.510	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	473078	47.798	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	34807m	48.709	ug/l	
82) 4-Chlorotoluene	11.90	91	403828	46.873	ug/l	96
83) tert-Butylbenzene	12.12	119	511891	50.773	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	484047	49.003	ug/l	100
85) sec-Butylbenzene	12.30	105	680782	49.327	ug/l	98
86) p-Isopropyltoluene	12.46	119	538114	46.505	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	231914	45.614	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	235792	47.589	ug/l	96
89) n-Butylbenzene	12.84	91	579730	49.548	ug/l	97
90) Hexachloroethane	12.91	117	143020	51.329	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	232211	48.229	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19344	49.864	ug/l	65

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93) 1,2,4-Trichlorobenzene	14.20	180	162093	48.182	ug/l	98
94) Hexachlorobutadiene	14.19	225	113316	50.528	ug/l	97
95) Naphthalene	14.45	128	307796	46.923	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	155754	49.862	ug/l	98

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

