

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060829.D
 Acq On : 26 Nov 2018 18:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Quant Time: Nov 27 01:07:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
1) Pentafluorobenzene	4.91	168	194403	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	5.64	114	304514	50.00	ug/l	0.00	
63) Chlorobenzene-d5	9.81	117	309444	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	12.57	152	152856	50.00	ug/l	0.00	11/27/2018 3:16:55 PM

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	119826	53.21	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	106.42%		
35) Dibromofluoromethane	4.15	113	126426	53.72	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	107.44%		
50) Toluene-d8	7.59	98	369318	53.66	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	107.32%		
62) 4-Bromofluorobenzene	11.44	95	167220	52.46	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	104.92%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	143942	42.893	ug/l	100
3) Chloromethane	1.10	50	84785	41.154	ug/l	100
4) Vinyl Chloride	1.15	62	85698	45.740	ug/l	100
5) Bromomethane	1.34	94	64022	52.769	ug/l	100
6) Chloroethane	1.39	64	39785	54.261	ug/l	100
7) Trichlorofluoromethane	1.50	101	194694	47.227	ug/l	100
8) Diethyl Ether	1.64	74	27091	50.302	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	96498	48.778	ug/l	100
10) Methyl Iodide	1.91	142	146190	46.386	ug/l	100
11) Tert butyl alcohol	2.58	59	24716	248.620	ug/l	100
12) 1,1-Dichloroethene	1.80	96	76455	48.541	ug/l	100
13) Acrolein	2.02	56	24244	257.922	ug/l	100
14) Allyl chloride	2.12	41	108353m	39.520	ug/l	
15) Acrylonitrile	2.97	53	52592	247.638	ug/l	100
16) Acetone	2.26	43	108345	238.419	ug/l	100
17) Carbon Disulfide	1.85	76	199661	43.190	ug/l	100
18) Methyl Acetate	2.36	43	34790	45.835	ug/l	100
19) Methyl tert-butyl Ether	2.45	73	175373	47.194	ug/l	100
20) Methylene Chloride	2.26	84	73640m	42.089	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	75588	47.122	ug/l	100
22) Diisopropyl ether	2.83	45	265648	50.095	ug/l	100
23) Vinyl Acetate	3.21	43	611132	247.589	ug/l	100
24) 1,1-Dichloroethane	2.90	63	164167	50.639	ug/l	100
25) 2-Butanone	4.37	43	186549	243.368	ug/l	100
26) 2,2-Dichloropropane	3.64	77	104867	42.528	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	120822	44.331	ug/l	100
28) Bromochloromethane	3.76	49	70912	43.336	ug/l	100
29) Tetrahydrofuran	4.11	42	75462	238.259	ug/l	100
30) Chloroform	3.89	83	237318	46.788	ug/l	100
31) Cyclohexane	3.73	56	154575	40.691	ug/l	100
32) 1,1,1-Trichloroethane	4.13	97	178400	44.804	ug/l	100
36) 1,1-Dichloropropene	4.32	75	175378	49.913	ug/l	100
37) Ethyl Acetate	4.15	43	69980	52.780	ug/l	100
38) Carbon Tetrachloride	4.02	117	168800m	49.396	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
39) Methylcyclohexane	5.49	83	183915	45.916	ug/l	100	
40) Benzene	4.67	78	379089	48.523	ug/l	100	
41) Methacrylonitrile	4.78	41	37196	46.848	ug/l	100	
42) 1,2-Dichloroethane	4.98	62	148749	53.994	ug/l	100	11/27/2018 3:16:55 PM
43) Isopropyl Acetate	6.99	43	92293	52.175	ug/l	100	
44) Trichloroethene	5.54	130	123332	49.443	ug/l	100	
45) 1,2-Dichloropropane	6.27	63	105816	51.136	ug/l	100	
46) Dibromomethane	6.12	93	70584	52.054	ug/l	100	
47) Bromodichloromethane	6.42	83	186678	53.999	ug/l	100	
48) Methyl methacrylate	6.75	41	65075	54.984	ug/l	100	
49) 1,4-Dioxane	6.74	88	10408	963.644	ug/l	100	
51) 4-Methyl-2-Pentanone	8.29	43	315321	249.066	ug/l	100	
52) Toluene	7.66	92	250419	47.750	ug/l	100	
53) t-1,3-Dichloropropene	8.31	75	146320	52.202	ug/l	100	
54) cis-1,3-Dichloropropene	7.34	75	188671	51.487	ug/l	100	
55) 1,1,2-Trichloroethane	8.53	97	78740	52.063	ug/l	100	
56) Ethyl methacrylate	8.65	69	94135	54.209	ug/l	100	
57) 1,3-Dichloropropane	8.89	76	143359	53.755	ug/l	100	
58) 2-Chloroethyl Vinyl ether	7.34	63	43074	272.951	ug/l	100	
59) 2-Hexanone	9.53	43	221686	247.869	ug/l	100	
60) Dibromochloromethane	8.75	129	121455	55.539	ug/l	100	
61) 1,2-Dibromoethane	9.02	107	86037	53.903	ug/l	100	
64) Tetrachloroethene	8.18	164	112138	47.182	ug/l	100	
65) Chlorobenzene	9.83	112	316011	50.897	ug/l	100	
66) 1,1,1,2-Tetrachloroethane	9.97	131	129354	48.654	ug/l	100	
67) Ethyl Benzene	9.93	91	567693	48.819	ug/l	100	
68) m/p-Xylenes	10.17	106	389777	94.124	ug/l	100	
69) o-Xylene	10.75	106	219316	47.285	ug/l	100	
70) Styrene	10.82	104	306450	48.393	ug/l	100	
71) Bromoform	10.81	173	63197	52.317	ug/l	100	
73) Isopropylbenzene	11.15	105	626168	51.119	ug/l	100	
74) N-amyl acetate	11.40	43	144430	51.098	ug/l	100	
75) 1,1,2,2-Tetrachloroethane	11.73	83	104078	51.564	ug/l	100	
76) 1,2,3-Trichloropropane	11.82	75	74921	49.398	ug/l	100	
77) Bromobenzene	11.53	156	143707	55.360	ug/l	100	
78) n-propylbenzene	11.62	91	730888	50.499	ug/l	100	
79) 2-Chlorotoluene	11.75	91	418439	50.305	ug/l	100	
80) 1,3,5-Trimethylbenzene	11.85	105	507433	51.946	ug/l	100	
81) trans-1,4-Dichloro-2-buten	11.89	75	36248m	49.287	ug/l		
82) 4-Chlorotoluene	11.92	91	427214	49.983	ug/l	100	
83) tert-Butylbenzene	12.16	119	509176	49.833	ug/l	100	
84) 1,2,4-Trimethylbenzene	12.23	105	519918	51.365	ug/l	100	
85) sec-Butylbenzene	12.33	105	697203	49.891	ug/l	100	
86) p-Isopropyltoluene	12.49	119	570866	49.209	ug/l	100	
87) 1,3-Dichlorobenzene	12.50	146	256419	50.340	ug/l	100	
88) 1,4-Dichlorobenzene	12.59	146	250902	51.414	ug/l	100	
89) n-Butylbenzene	12.87	91	601339	50.008	ug/l	100	
90) Hexachloroethane	12.94	117	147068	51.747	ug/l	100	
91) 1,2-Dichlorobenzene	12.97	146	250138	51.799	ug/l	100	
92) 1,2-Dibromo-3-Chloropropan	13.67	75	20157	53.172	ug/l	100	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
93) 1,2,4-Trichlorobenzene	14.22	180	172647	50.509	ug/l	100	
94) Hexachlorobutadiene	14.21	225	113677	51.262	ug/l	100	
95) Naphthalene	14.48	128	341737	54.658	ug/l	100	
96) 1,2,3-Trichlorobenzene	14.63	180	161000	51.413	ug/l	100	11/27/2018 3:16:55 PM

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

