

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061266.D
 Acq On : 3 Jan 2019 15:46
 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

apatel
 1/4/2019 2:12:36 PM

Quant Time: Jan 04 02:56:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	206405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	367614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	328875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	124136	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
35) Dibromofluoromethane	4.12	113	134225	45.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.40%	
50) Toluene-d8	7.56	98	412462	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.41	95	176355	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	199280	44.472	ug/l	100
3) Chloromethane	1.10	50	145780	54.409	ug/l	100
4) Vinyl Chloride	1.14	62	136838	55.214	ug/l	100
5) Bromomethane	1.33	94	92463	53.987	ug/l	100
6) Chloroethane	1.38	64	59625	52.522	ug/l	100
7) Trichlorofluoromethane	1.49	101	241506	51.823	ug/l	100
8) Diethyl Ether	1.63	74	31026	49.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	120350	49.406	ug/l	100
10) Methyl Iodide	1.89	142	188701m	49.386	ug/l	
11) Tert butyl alcohol	2.57	59	25668	242.609	ug/l	100
12) 1,1-Dichloroethene	1.79	96	94507	51.758	ug/l	100
13) Acrolein	2.01	56	19634	247.396	ug/l	100
14) Allyl chloride	2.10	41	145885	70.022	ug/l	100
15) Acrylonitrile	2.95	53	68902	275.777	ug/l	100
16) Acetone	2.24	43	101280	200.768	ug/l	100
17) Carbon Disulfide	1.83	76	300575	53.705	ug/l	100
18) Methyl Acetate	2.35	43	49004	44.656	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	186900	46.839	ug/l	100
20) Methylene Chloride	2.19	84	100170m	49.786	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	102363	51.547	ug/l	100
22) Diisopropyl ether	2.81	45	334319	52.404	ug/l	100
23) Vinyl Acetate	3.19	43	737834	253.422	ug/l	100
24) 1,1-Dichloroethane	2.88	63	207964	54.830	ug/l	100
25) 2-Butanone	4.35	43	212017	247.043	ug/l	100
26) 2,2-Dichloropropane	3.61	77	121054	55.246	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	150148	49.984	ug/l	100
28) Bromochloromethane	3.72	49	90353	47.996	ug/l	100
29) Tetrahydrofuran	4.08	42	84740	242.056	ug/l	100
30) Chloroform	3.86	83	285753	50.912	ug/l	100
31) Cyclohexane	3.70	56	217948	54.858	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	207595	59.264	ug/l	100
36) 1,1-Dichloropropene	4.29	75	226809	51.012	ug/l	100
37) Ethyl Acetate	4.11	43	78231	43.578	ug/l	100
38) Carbon Tetrachloride	3.99	117	184000	53.657	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	241787	59.188	ug/l	100
40) Benzene	4.63	78	496689	51.597	ug/l	100
41) Methacrylonitrile	4.75	41	41301	44.894	ug/l	100
42) 1,2-Dichloroethane	4.95	62	157296	44.460	ug/l	100
43) Isopropyl Acetate	6.96	43	103628	48.348	ug/l	100
44) Trichloroethene	5.51	130	145781	48.756	ug/l	100
45) 1,2-Dichloropropane	6.24	63	130785	50.237	ug/l	100
46) Dibromomethane	6.09	93	78829	47.402	ug/l	100
47) Bromodichloromethane	6.39	83	207396	48.181	ug/l	100
48) Methyl methacrylate	6.71	41	75764	50.661	ug/l	100
49) 1,4-Dioxane	6.71	88	10227	959.251	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	356435	243.170	ug/l	100
52) Toluene	7.63	92	320110	50.307	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	165456	47.163	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	211283	47.905	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	88352	46.735	ug/l	100
56) Ethyl methacrylate	8.63	69	100556	49.252	ug/l	100
57) 1,3-Dichloropropane	8.85	76	166816	48.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	63030	169.353	ug/l	100
59) 2-Hexanone	9.50	43	254183	241.222	ug/l	100
60) Dibromochloromethane	8.72	129	126223	47.300	ug/l	100
61) 1,2-Dibromoethane	8.99	107	97984	48.731	ug/l	100
64) Tetrachloroethene	8.15	164	129411	50.649	ug/l	100
65) Chlorobenzene	9.80	112	345909	50.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	138678	49.362	ug/l	100
67) Ethyl Benzene	9.90	91	651453	51.748	ug/l	100
68) m/p-Xylenes	10.14	106	439098	99.775	ug/l	100
69) o-Xylene	10.72	106	257441	52.273	ug/l	100
70) Styrene	10.79	104	330901	48.608	ug/l	100
71) Bromoform	10.78	173	63926	49.396	ug/l	100
73) Isopropylbenzene	11.13	105	720057	51.383	ug/l	100
74) N-amyl acetate	11.37	43	162512	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	109585	47.649	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	82207	47.994	ug/l	100
77) Bromobenzene	11.50	156	147913	49.327	ug/l	100
78) n-propylbenzene	11.60	91	803568	48.797	ug/l	100
79) 2-Chlorotoluene	11.72	91	471213	49.274	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	556012	48.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	39702m	53.088	ug/l	
82) 4-Chlorotoluene	11.90	91	481063	48.406	ug/l	100
83) tert-Butylbenzene	12.13	119	568523	48.275	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	539720	47.244	ug/l	100
85) sec-Butylbenzene	12.31	105	773194	49.918	ug/l	100
86) p-Isopropyltoluene	12.46	119	652338	50.645	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	271835	47.840	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	277381	49.806	ug/l	100
89) n-Butylbenzene	12.85	91	664644	49.963	ug/l	100
90) Hexachloroethane	12.92	117	162944	51.254	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260360	48.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20010	47.904	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185976	48.784	ug/l	100
94) Hexachlorobutadiene	14.19	225	121318	49.987	ug/l	100
95) Naphthalene	14.46	128	337599	49.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	175060	50.197	ug/l	100

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

