

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061407.D
 Acq On : 15 Jan 2019 15:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:05:39 PM

Quant Time: Jan 16 03:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	177935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309331	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	290052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	142560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112027	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	4.10	113	124120	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
50) Toluene-d8	7.55	98	330684	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.40	95	155613	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	177186	50.246	ug/l	100
3) Chloromethane	1.10	50	118498	44.327	ug/l	100
4) Vinyl Chloride	1.13	62	106924	45.408	ug/l	100
5) Bromomethane	1.33	94	75676	46.935	ug/l	100
6) Chloroethane	1.39	64	53831	50.603	ug/l	100
7) Trichlorofluoromethane	1.48	101	212416m	45.306	ug/l	
8) Diethyl Ether	1.63	74	28030	47.681	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100974	46.093	ug/l	100
10) Methyl Iodide	1.91	142	164637m	48.505	ug/l	
11) Tert butyl alcohol	2.56	59	22634	239.761	ug/l	100
12) 1,1-Dichloroethene	1.80	96	75616	46.463	ug/l	100
13) Acrolein	1.99	56	20028	228.080	ug/l	100
14) Allyl chloride	2.09	41	97427	33.280	ug/l	100
15) Acrylonitrile	2.93	53	53782	218.550	ug/l	100
16) Acetone	2.23	43	106332	226.875	ug/l	100
17) Carbon Disulfide	1.83	76	240999m	47.472	ug/l	
18) Methyl Acetate	2.34	43	40809	36.903	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	177104	48.826	ug/l	100
20) Methylene Chloride	2.17	84	72719m	39.450	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	80106m	44.306	ug/l	
22) Diisopropyl ether	2.79	45	281906	49.512	ug/l	100
23) Vinyl Acetate	3.18	43	681618	314.653	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174922	48.245	ug/l	100
25) 2-Butanone	4.32	43	178427	239.016	ug/l	100
26) 2,2-Dichloropropane	3.59	77	97255	41.638	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	128408	49.161	ug/l	100
28) Bromochloromethane	3.71	49	73871	43.767	ug/l	100
29) Tetrahydrofuran	4.06	42	80999	246.620	ug/l	100
30) Chloroform	3.85	83	241003	49.254	ug/l	100
31) Cyclohexane	3.68	56	168684m	45.592	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	146933	39.488	ug/l	100
36) 1,1-Dichloropropene	4.27	75	181912	49.591	ug/l	100
37) Ethyl Acetate	4.09	43	71715	48.150	ug/l	100
38) Carbon Tetrachloride	3.98	117	146504	36.865	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	177133	43.738	ug/l	100
40) Benzene	4.63	78	381753	45.891	ug/l	100
41) Methacrylonitrile	4.74	41	36512	46.541	ug/l	100
42) 1,2-Dichloroethane	4.93	62	149289	51.779	ug/l	100
43) Isopropyl Acetate	6.95	43	92294	51.824	ug/l	100
44) Trichloroethene	5.49	130	122899	48.092	ug/l	100
45) 1,2-Dichloropropane	6.22	63	109575	51.386	ug/l	100
46) Dibromomethane	6.08	93	73682	52.704	ug/l	100
47) Bromodichloromethane	6.37	83	176203	51.509	ug/l	100
48) Methyl methacrylate	6.71	41	62241	51.766	ug/l	100
49) 1,4-Dioxane	6.70	88	10109	1125.658	ug/l	100
51) 4-Methyl-2-Pentanone	8.25	43	330362	236.863	ug/l	100
52) Toluene	7.62	92	257968	46.700	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	143938	52.158	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	189705	54.654	ug/l	100
55) 1,1,2-Trichloroethane	8.48	97	77557	51.659	ug/l	100
56) Ethyl methacrylate	8.61	69	88684	51.545	ug/l	100
57) 1,3-Dichloropropane	8.85	76	149010	53.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	47147	405.069	ug/l	100
59) 2-Hexanone	9.48	43	233143	240.146	ug/l	100
60) Dibromochloromethane	8.71	129	115719	54.232	ug/l	100
61) 1,2-Dibromoethane	8.98	107	89585	52.153	ug/l	100
64) Tetrachloroethene	8.15	164	113699	51.460	ug/l	100
65) Chlorobenzene	9.79	112	298310	48.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	117415	48.798	ug/l	100
67) Ethyl Benzene	9.89	91	521286	45.802	ug/l	100
68) m/p-Xylenes	10.12	106	379764	92.491	ug/l	100
69) o-Xylene	10.70	106	206680	47.127	ug/l	100
70) Styrene	10.78	104	268893	44.173	ug/l	100
71) Bromoform	10.76	173	55544	53.565	ug/l	100
73) Isopropylbenzene	11.12	105	611978	49.152	ug/l	100
74) N-amyl acetate	11.36	43	148002	51.756	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	105235	48.596	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	77141	49.559	ug/l	100
77) Bromobenzene	11.49	156	130805	51.469	ug/l	100
78) n-propylbenzene	11.59	91	705293	46.498	ug/l	100
79) 2-Chlorotoluene	11.71	91	407850	47.313	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	481852	48.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	36815m	44.827	ug/l	
82) 4-Chlorotoluene	11.90	91	414018	48.491	ug/l	100
83) tert-Butylbenzene	12.12	119	502611	48.633	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	483852	47.061	ug/l	100
85) sec-Butylbenzene	12.30	105	693611	49.348	ug/l	100
86) p-Isopropyltoluene	12.46	119	548111	46.842	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	235930	45.158	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	241645	50.490	ug/l	100
89) n-Butylbenzene	12.84	91	566415	46.835	ug/l	100
90) Hexachloroethane	12.91	117	133798	51.800	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	237924	48.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19795	53.926	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	166974	49.142	ug/l	100
94) Hexachlorobutadiene	14.19	225	104425	50.754	ug/l	100
95) Naphthalene	14.45	128	330614	54.665	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	157836	51.716	ug/l	100

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

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