

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061975.D
 Acq On : 16 Mar 2019 12:08
 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

MMDadoda
 3/22/2019 6:18:56 PM

Quant Time: Mar 22 03:16:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	260352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	399155	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	179025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	91503	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	4.11	113	127072	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	7.55	98	382486	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.41	95	142089	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	136604	49.219	ug/l	100
3) Chloromethane	1.09	50	133243	47.241	ug/l	100
4) Vinyl Chloride	1.14	62	132053	48.409	ug/l	100
5) Bromomethane	1.32	94	100507	52.449	ug/l	100
6) Chloroethane	1.39	64	72449	51.448	ug/l	100
7) Trichlorofluoromethane	1.47	101	182182	50.411	ug/l	100
8) Diethyl Ether	1.63	74	42474	52.868	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	121523	47.727	ug/l	100
10) Methyl Iodide	1.91	142	228527m	51.280	ug/l	
11) Tert butyl alcohol	2.58	59	31764	276.982	ug/l	100
12) 1,1-Dichloroethene	1.79	96	106699	48.557	ug/l	100
13) Acrolein	2.00	56	27971	225.939	ug/l	100
14) Allyl chloride	2.10	41	138617	49.419	ug/l	100
15) Acrylonitrile	2.94	53	88892	254.900	ug/l	100
16) Acetone	2.24	43	106379	252.777	ug/l	100
17) Carbon Disulfide	1.82	76	311999m	49.095	ug/l	
18) Methyl Acetate	2.35	43	50157	56.109	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	205581	51.632	ug/l	100
20) Methylene Chloride	2.18	84	103872m	47.942	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	115631	50.426	ug/l	100
22) Diisopropyl ether	2.80	45	351206	52.055	ug/l	100
23) Vinyl Acetate	3.19	43	692646	260.426	ug/l	100
24) 1,1-Dichloroethane	2.87	63	200226	51.039	ug/l	100
25) 2-Butanone	4.34	43	207766	249.281	ug/l	100
26) 2,2-Dichloropropane	3.60	77	93520	50.540	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	147369	50.988	ug/l	100
28) Bromochloromethane	3.72	49	84110	51.671	ug/l	100
29) Tetrahydrofuran	4.07	42	93252	257.270	ug/l	100
30) Chloroform	3.86	83	218603	49.181	ug/l	100
31) Cyclohexane	3.69	56	195369m	50.831	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	149163	50.531	ug/l	100
36) 1,1-Dichloropropene	4.28	75	184604	51.214	ug/l	100
37) Ethyl Acetate	4.11	43	81864	50.581	ug/l	100
38) Carbon Tetrachloride	3.98	117	133494	50.675	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	221432	52.327	ug/l	100
40) Benzene	4.63	78	472343	49.454	ug/l	100
41) Methacrylonitrile	4.74	41	42800	49.496	ug/l	100
42) 1,2-Dichloroethane	4.94	62	119981	50.462	ug/l	100
43) Isopropyl Acetate	6.96	43	99282	51.846	ug/l	100
44) Trichloroethene	5.50	130	146751	50.156	ug/l	100
45) 1,2-Dichloropropane	6.23	63	117968	52.190	ug/l	100
46) Dibromomethane	6.08	93	71910	53.479	ug/l	100
47) Bromodichloromethane	6.39	83	161789	51.036	ug/l	100
48) Methyl methacrylate	6.71	41	61992	50.090	ug/l	100
49) 1,4-Dioxane	6.70	88	12252	1112.958	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	354823	260.935	ug/l	100
52) Toluene	7.62	92	287504	49.265	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	139922	52.281	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	181271	51.909	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	83034	50.980	ug/l	100
56) Ethyl methacrylate	8.62	69	95351	51.499	ug/l	100
57) 1,3-Dichloropropane	8.85	76	145459	53.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	86765	258.721	ug/l	100
59) 2-Hexanone	9.49	43	251899	255.968	ug/l	100
60) Dibromochloromethane	8.72	129	120004	53.072	ug/l	100
61) 1,2-Dibromoethane	8.99	107	90493	51.796	ug/l	100
64) Tetrachloroethene	8.15	164	127834	51.295	ug/l	100
65) Chlorobenzene	9.80	112	321126	50.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	127676	51.602	ug/l	100
67) Ethyl Benzene	9.90	91	536432	49.081	ug/l	100
68) m/p-Xylenes	10.14	106	403571	98.177	ug/l	100
69) o-Xylene	10.72	106	226792	51.561	ug/l	100
70) Styrene	10.79	104	304830	50.024	ug/l	100
71) Bromoform	10.78	173	67329	53.799	ug/l	100
73) Isopropylbenzene	11.12	105	656105	53.048	ug/l	100
74) N-amyl acetate	11.37	43	148829	52.516	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	107173	52.497	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	74754	52.366	ug/l	100
77) Bromobenzene	11.50	156	147281	51.421	ug/l	100
78) n-propylbenzene	11.59	91	689924	48.513	ug/l	100
79) 2-Chlorotoluene	11.72	91	399901	49.817	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	505579	50.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	35981m	56.975	ug/l	
82) 4-Chlorotoluene	11.90	91	419837	51.718	ug/l	100
83) tert-Butylbenzene	12.13	119	540536	51.733	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	507677	50.732	ug/l	100
85) sec-Butylbenzene	12.30	105	698475	49.478	ug/l	100
86) p-Isopropyltoluene	12.46	119	606746	51.508	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	283131	50.295	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	275549	50.855	ug/l	100
89) n-Butylbenzene	12.85	91	574883	51.937	ug/l	100
90) Hexachloroethane	12.92	117	144190	53.638	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260547	49.972	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17819	54.392	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	186482	51.362	ug/l	100
94) Hexachlorobutadiene	14.19	225	127490	52.893	ug/l	100
95) Naphthalene	14.45	128	351494	53.828	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	178792	53.526	ug/l	100

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

