

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062281.D
 Acq On : 24 Apr 2019 15:12
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:00 AM

Quant Time: Apr 25 08:14:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	473734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	656655	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	479530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	263674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	190777	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	4.32	113	249591	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.72	98	588669	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.51	95	230065	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	250606	42.759	ug/l	100
3) Chloromethane	1.15	50	209657	42.714	ug/l	100
4) Vinyl Chloride	1.20	62	198677	43.148	ug/l	100
5) Bromomethane	1.40	94	143563	46.194	ug/l	100
6) Chloroethane	1.45	64	95513	47.342	ug/l	100
7) Trichlorofluoromethane	1.56	101	329006	45.295	ug/l	100
8) Diethyl Ether	1.72	74	53696	41.132	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	200707	44.083	ug/l	100
10) Methyl Iodide	1.99	142	353408	44.595	ug/l	100
11) Tert butyl alcohol	2.70	59	53924	235.761	ug/l	100
12) 1,1-Dichloroethene	1.88	96	187685	44.925	ug/l	100
13) Acrolein	2.10	56	56044	369.975	ug/l	100
14) Allyl chloride	2.20	41	189820	30.137	ug/l	# 64
15) Acrylonitrile	3.09	53	158253	239.232	ug/l	100
16) Acetone	2.35	43	198639	231.442	ug/l	100
17) Carbon Disulfide	1.93	76	472532	43.620	ug/l	100
18) Methyl Acetate	2.47	43	71977	33.824	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	369573	48.012	ug/l	100
20) Methylene Chloride	2.35	84	171157m	31.521	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	175152	43.650	ug/l	100
22) Diisopropyl ether	2.95	45	517683	43.182	ug/l	100
23) Vinyl Acetate	3.35	43	1201346	231.299	ug/l	100
24) 1,1-Dichloroethane	3.02	63	300317	44.655	ug/l	100
25) 2-Butanone	4.54	43	303078	222.807	ug/l	100
26) 2,2-Dichloropropane	3.78	77	160456	45.682	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	228304	44.479	ug/l	100
28) Bromochloromethane	3.92	49	137934	46.898	ug/l	# 100
29) Tetrahydrofuran	4.28	42	136835	230.795	ug/l	100
30) Chloroform	4.05	83	388963	46.369	ug/l	100
31) Cyclohexane	3.89	56	294214	45.225	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	307474m	49.219	ug/l	
36) 1,1-Dichloropropene	4.49	75	284725	45.653	ug/l	100
37) Ethyl Acetate	4.31	43	114061	44.542	ug/l	100
38) Carbon Tetrachloride	4.19	117	265216	43.521	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	334551	45.519	ug/l	100
40) Benzene	4.83	78	662070	44.012	ug/l	100
41) Methacrylonitrile	4.94	41	67766	47.377	ug/l	100
42) 1,2-Dichloroethane	5.14	62	216168	46.794	ug/l	100
43) Isopropyl Acetate	7.12	43	114418	42.363	ug/l	100
44) Trichloroethene	5.69	130	224377	44.101	ug/l	100
45) 1,2-Dichloropropane	6.42	63	146112	44.094	ug/l	100
46) Dibromomethane	6.27	93	110868	46.188	ug/l	100
47) Bromodichloromethane	6.57	83	255257	45.171	ug/l	100
48) Methyl methacrylate	6.88	41	80276	43.316	ug/l	100
49) 1,4-Dioxane	6.88	88	18839	888.184	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	436082	211.017	ug/l	100
52) Toluene	7.79	92	375011	43.465	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	184757	44.894	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	240357	44.978	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	107652	45.651	ug/l	100
56) Ethyl methacrylate	8.77	69	115796	43.926	ug/l	100
57) 1,3-Dichloropropane	9.00	76	166422	44.875	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	193702	237.850	ug/l	100
59) 2-Hexanone	9.63	43	277702	137.797	ug/l	100
60) Dibromochloromethane	8.86	129	178664	47.019	ug/l	100
61) 1,2-Dibromoethane	9.14	107	127525	46.407	ug/l	100
64) Tetrachloroethene	8.31	164	185579	45.025	ug/l	100
65) Chlorobenzene	9.94	112	400123	44.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	193915	45.234	ug/l	100
67) Ethyl Benzene	10.04	91	684614	43.395	ug/l	100
68) m/p-Xylenes	10.26	106	512853	88.041	ug/l	100
69) o-Xylene	10.83	106	295124	45.134	ug/l	100
70) Styrene	10.90	104	410997	43.447	ug/l	100
71) Bromoform	10.89	173	110308	47.409	ug/l	100
73) Isopropylbenzene	11.22	105	876098	46.540	ug/l	100
74) N-amyl acetate	11.46	43	174281	40.777	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	141498	50.264	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	96049	47.281	ug/l #	100
77) Bromobenzene	11.59	156	214387	47.221	ug/l	100
78) n-propylbenzene	11.68	91	884098	45.131	ug/l	100
79) 2-Chlorotoluene	11.80	91	539284	46.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	730902	46.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	37333m	31.648	ug/l	
82) 4-Chlorotoluene	11.98	91	536930	46.538	ug/l	100
83) tert-Butylbenzene	12.21	119	732066	44.329	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	669283	43.210	ug/l	100
85) sec-Butylbenzene	12.37	105	924177	45.081	ug/l	100
86) p-Isopropyltoluene	12.52	119	799388	43.806	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	352007	42.610	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	346472	44.726	ug/l	100
89) n-Butylbenzene	12.91	91	709882	41.714	ug/l	100
90) Hexachloroethane	12.98	117	212875	47.018	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	345168	43.464	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	27954	48.852	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	312324	44.388	ug/l	100
94) Hexachlorobutadiene	14.24	225	231516	46.357	ug/l	100
95) Naphthalene	14.50	128	499901	47.849	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	300002	46.324	ug/l	100

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

