

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062623.D
 Acq On : 16 May 2019 12:57
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:18 PM

Quant Time: May 17 05:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	751037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1230459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	976432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	467183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	474133	89.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	178.68%	
35) Dibromofluoromethane	4.32	113	832149	88.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	176.76%	
50) Toluene-d8	7.72	98	1942257	86.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	172.80%	
62) 4-Bromofluorobenzene	11.50	95	804277	94.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	188.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	898980	87.959	ug/l	100
3) Chloromethane	1.14	50	842054	89.477	ug/l	97
4) Vinyl Chloride	1.19	62	804289	92.846	ug/l	99
5) Bromomethane	1.40	94	411032	86.734	ug/l	99
6) Chloroethane	1.44	64	263954	82.966	ug/l	91
7) Trichlorofluoromethane	1.56	101	1053502	96.138	ug/l	92
8) Diethyl Ether	1.72	74	207257	89.945	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	673540	90.941	ug/l	97
10) Methyl Iodide	1.98	142	1326945	91.205	ug/l	97
11) Tert butyl alcohol	2.70	59	172198	491.453	ug/l	99
12) 1,1-Dichloroethene	1.87	96	618841	91.724	ug/l	95
13) Acrolein	2.10	56	181886	497.292	ug/l	99
14) Allyl chloride	2.20	41	596466m	89.979	ug/l	
15) Acrylonitrile	3.10	53	435250	440.369	ug/l	94
16) Acetone	2.35	43	692647	503.064	ug/l	96
17) Carbon Disulfide	1.92	76	1891160m	98.374	ug/l	
18) Methyl Acetate	2.46	43	200577	85.244	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	1170969	97.088	ug/l	100
20) Methylene Chloride	2.34	84	600212m	87.477	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	618394	93.775	ug/l	93
22) Diisopropyl ether	2.94	45	1412981	93.822	ug/l	97
23) Vinyl Acetate	3.35	43	4444838	437.517	ug/l	97
24) 1,1-Dichloroethane	3.02	63	1011859	91.586	ug/l	99
25) 2-Butanone	4.52	43	1401272	476.356	ug/l	97
26) 2,2-Dichloropropane	3.78	77	608016	96.184	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	1004430	92.598	ug/l	97
28) Bromochloromethane	3.90	49	563050	90.868	ug/l	98
29) Tetrahydrofuran	4.27	42	536251	450.486	ug/l	99
30) Chloroform	4.05	83	1352807	88.192	ug/l	99
31) Cyclohexane	3.87	56	1368922	99.525	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	974691	95.678	ug/l	99
36) 1,1-Dichloropropene	4.48	75	1177446	93.386	ug/l	98
37) Ethyl Acetate	4.31	43	447459	86.918	ug/l	91
38) Carbon Tetrachloride	4.19	117	974463m	109.698	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	1381856	91.085	ug/l	96
40) Benzene	4.83	78	3038641	88.464	ug/l	99
41) Methacrylonitrile	4.94	41	242496	89.848	ug/l	94
42) 1,2-Dichloroethane	5.14	62	640090	93.448	ug/l	96
43) Isopropyl Acetate	7.12	43	589150	88.335	ug/l #	97
44) Trichloroethene	5.69	130	855695	88.638	ug/l	96
45) 1,2-Dichloropropane	6.42	63	788398	90.925	ug/l	99
46) Dibromomethane	6.27	93	474870	94.763	ug/l	98
47) Bromodichloromethane	6.56	83	971702	93.405	ug/l	99
48) Methyl methacrylate	6.88	41	327212	93.864	ug/l	96
49) 1,4-Dioxane	6.88	88	83520	1870.605	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	1912002	419.405	ug/l	97
52) Toluene	7.79	92	1672248	92.830	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	804608	94.537	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	1124624	94.396	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	508302	95.300	ug/l	99
56) Ethyl methacrylate	8.76	69	583020	91.750	ug/l	94
57) 1,3-Dichloropropane	9.00	76	862564	94.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	1001935	484.406	ug/l	96
59) 2-Hexanone	9.63	43	1424116	427.258	ug/l	93
60) Dibromochloromethane	8.86	129	692432	99.608	ug/l	97
61) 1,2-Dibromoethane	9.14	107	557907	98.480	ug/l	99
64) Tetrachloroethene	8.31	164	699375	90.410	ug/l	98
65) Chlorobenzene	9.94	112	1706692	88.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	691930	89.873	ug/l	98
67) Ethyl Benzene	10.04	91	2784792	83.586	ug/l	97
68) m/p-Xylenes	10.26	106	2151513	171.821	ug/l	97
69) o-Xylene	10.82	106	1189953	92.262	ug/l	88
70) Styrene	10.89	104	1822499	92.968	ug/l	98
71) Bromoform	10.88	173	401285	104.069	ug/l	100
73) Isopropylbenzene	11.22	105	2968806	88.664	ug/l	96
74) N-amyl acetate	11.45	43	821824	79.558	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	635579	92.882	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	394518	87.745	ug/l	91
77) Bromobenzene	11.58	156	797493	95.818	ug/l	98
78) n-propylbenzene	11.68	91	3324838	83.903	ug/l	95
79) 2-Chlorotoluene	11.80	91	1911534	85.595	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	2241635	83.491	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	200305m	80.184	ug/l	
82) 4-Chlorotoluene	11.98	91	1942443	88.202	ug/l	98
83) tert-Butylbenzene	12.20	119	2342589	86.000	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	2239379	86.176	ug/l	92
85) sec-Butylbenzene	12.37	105	3106706	84.985	ug/l	96
86) p-Isopropyltoluene	12.52	119	2629937	85.367	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	1308224	86.879	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	1225530	86.727	ug/l	98
89) n-Butylbenzene	12.90	91	2489559	81.961	ug/l	95
90) Hexachloroethane	12.97	117	703217	95.153	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	1181058	87.990	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	84213	103.161	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	861635	89.680	ug/l	96
94) Hexachlorobutadiene	14.23	225	643733	96.007	ug/l	96
95) Naphthalene	14.50	128	1681957	96.361	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	913556	100.383	ug/l	97

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

