

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062194.D
 Acq On : 17 Apr 2019 19:07
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:27 AM

Quant Time: Apr 18 07:12:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	397093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	592015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	459995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	233096	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	269773	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	4.30	113	356446	87.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.58%	
50) Toluene-d8	7.70	98	929248	62.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.56%	
62) 4-Bromofluorobenzene	11.48	95	334177	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	408258	85.722	ug/l	97
3) Chloromethane	1.15	50	426208	74.262	ug/l	98
4) Vinyl Chloride	1.19	62	366001	67.046	ug/l	98
5) Bromomethane	1.39	94	220969	61.514	ug/l	96
6) Chloroethane	1.44	64	156405	50.757	ug/l	96
7) Trichlorofluoromethane	1.55	101	478715	73.827	ug/l	95
8) Diethyl Ether	1.70	74	97924	36.205	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	317700	75.578	ug/l	99
10) Methyl Iodide	1.98	142	582380	119.838	ug/l	91
11) Tert butyl alcohol	2.69	59	84309	80.020	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	308396	71.565	ug/l	97
13) Acrolein	2.10	56	43480	49.510	ug/l	97
14) Allyl chloride	2.20	41	341777	39.899	ug/l	98
15) Acrylonitrile	3.07	53	245092	88.299	ug/l	98
16) Acetone	2.34	43	302775	117.562	ug/l	98
17) Carbon Disulfide	1.91	76	882649	66.197	ug/l	100
18) Methyl Acetate	2.45	43	131359	20.296	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	558662	39.806	ug/l	99
20) Methylene Chloride	2.33	84	299197m	60.448	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	301211	65.982	ug/l	99
22) Diisopropyl ether	2.92	45	872696	50.514	ug/l	99
23) Vinyl Acetate	3.34	43	2153967	150.410	ug/l	99
24) 1,1-Dichloroethane	3.00	63	502124	57.345	ug/l	99
25) 2-Butanone	4.51	43	606910	145.776	ug/l	99
26) 2,2-Dichloropropane	3.76	77	235555	37.575	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	398565	75.072	ug/l	99
28) Bromochloromethane	3.89	49	236919	57.870	ug/l #	99
29) Tetrahydrofuran	4.26	42	270465	98.692	ug/l	98
30) Chloroform	4.04	83	599709	72.549	ug/l	97
31) Cyclohexane	3.86	56	581834	65.526	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	446247	68.962	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	479606	75.563	ug/l	100
37) Ethyl Acetate	4.30	43	216438	30.489	ug/l #	100
38) Carbon Tetrachloride	4.17	117	443468m	83.622	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	582533	76.005	ug/l	97
40) Benzene	4.81	78	1229676	67.559	ug/l	100
41) Methacrylonitrile	4.92	41	127746	31.120	ug/l	95
42) 1,2-Dichloroethane	5.11	62	341694	55.142	ug/l	99
43) Isopropyl Acetate	7.10	43	243331	21.757	ug/l	99
44) Trichloroethene	5.67	130	341595	74.811	ug/l	100
45) 1,2-Dichloropropane	6.39	63	279096	57.345	ug/l	98
46) Dibromomethane	6.25	93	190277	65.223	ug/l	97
47) Bromodichloromethane	6.54	83	421369	72.768	ug/l	99
48) Methyl methacrylate	6.86	41	160579	28.615	ug/l	99
49) 1,4-Dioxane	6.86	88	36262	348.629	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	872268	121.384	ug/l	100
52) Toluene	7.76	92	653163	60.747	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	314187	50.432	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	423015	58.929	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	189694	46.813	ug/l	98
56) Ethyl methacrylate	8.74	69	219575	31.732	ug/l	99
57) 1,3-Dichloropropane	8.98	76	305555	42.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	348043	96.331	ug/l	97
59) 2-Hexanone	9.61	43	567310	103.477	ug/l	96
60) Dibromochloromethane	8.85	129	291617	71.194	ug/l	97
61) 1,2-Dibromoethane	9.12	107	216290	51.303	ug/l	97
64) Tetrachloroethene	8.29	164	295931	81.509	ug/l	99
65) Chlorobenzene	9.91	112	694078	70.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	306805	84.527	ug/l	99
67) Ethyl Benzene	10.01	91	1198082	67.220	ug/l	100
68) m/p-Xylenes	10.25	106	878946	135.534	ug/l	94
69) o-Xylene	10.80	106	496314	76.327	ug/l	95
70) Styrene	10.88	104	691027	64.141	ug/l	99
71) Bromoform	10.86	173	166804	62.483	ug/l #	100
73) Isopropylbenzene	11.20	105	1372496	75.432	ug/l	98
74) N-amyl acetate	11.44	43	341762	36.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	244910	40.715	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	166280	31.992	ug/l #	64
77) Bromobenzene	11.57	156	308388	68.946	ug/l	99
78) n-propylbenzene	11.66	91	1402215	68.817	ug/l	99
79) 2-Chlorotoluene	11.79	91	886748	71.573	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	1143040	75.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	82179m	40.395	ug/l	
82) 4-Chlorotoluene	11.96	91	854052	61.307	ug/l	99
83) tert-Butylbenzene	12.19	119	1170107	78.798	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1074285	70.239	ug/l	97
85) sec-Butylbenzene	12.36	105	1501992	83.493	ug/l	99
86) p-Isopropyltoluene	12.51	119	1261531	77.734	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	527160	67.182	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	516887	65.124	ug/l	99
89) n-Butylbenzene	12.89	91	1158285	77.732	ug/l	98
90) Hexachloroethane	12.96	117	343529	115.443	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	514399	66.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	45717	33.774	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	423826	74.108	ug/l	99
94) Hexachlorobutadiene	14.22	225	310452	100.982	ug/l	99
95) Naphthalene	14.49	128	811737	48.226	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	429552	75.646	ug/l	99

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

