

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011889.D
 Acq On : 29 Aug 2019 23:03
 Operator : SY/SP
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:19 AM

Quant Time: Aug 30 01:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	356470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	509637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	484498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	491907	147.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.84%	
35) Dibromofluoromethane	5.48	113	468514	148.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.30%	
50) Toluene-d8	8.71	98	1641575	143.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.68%	
62) 4-Bromofluorobenzene	11.13	95	686820	135.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	259032	118.946	ug/l	100
3) Chloromethane	1.31	50	340961	133.303	ug/l	100
4) Vinyl Chloride	1.40	62	323790	133.383	ug/l	99
5) Bromomethane	1.62	94	211876	135.601	ug/l	99
6) Chloroethane	1.70	64	202332	139.826	ug/l	97
7) Trichlorofluoromethane	1.91	101	538002	130.979	ug/l	99
8) Diethyl Ether	2.17	74	191473	140.175	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	346401	143.753	ug/l	99
10) Methyl Iodide	2.49	142	456437	208.634	ug/l	98
11) Tert butyl alcohol	3.04	59	232112	789.165	ug/l	99
12) 1,1-Dichloroethene	2.35	96	339192	142.246	ug/l	99
13) Acrolein	2.28	56	121609	871.860	ug/l	98
14) Allyl chloride	2.71	41	653598	150.703	ug/l	99
15) Acrylonitrile	3.13	53	567846	771.786	ug/l	99
16) Acetone	2.43	43	503326	394.812	ug/l	99
17) Carbon Disulfide	2.55	76	1007145	141.040	ug/l	100
18) Methyl Acetate	2.76	43	316596	117.353	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	1153744	148.290	ug/l	100
20) Methylene Chloride	2.84	84	432300	134.671	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	411941	139.592	ug/l	97
22) Diisopropyl ether	3.84	45	1332241	141.771	ug/l	97
23) Vinyl Acetate	3.80	43	4306245	1049.573	ug/l	99
24) 1,1-Dichloroethane	3.68	63	735487	138.365	ug/l	100
25) 2-Butanone	4.66	43	784295	759.199	ug/l	100
26) 2,2-Dichloropropane	4.57	77	604068	162.177	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	492573	141.290	ug/l	99
28) Bromochloromethane	4.99	49	329137	139.213	ug/l	98
29) Tetrahydrofuran	5.11	42	490832	763.034	ug/l	100
30) Chloroform	5.20	83	791720	138.171	ug/l	99
31) Cyclohexane	5.56	56	537281	124.089	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	694327	143.606	ug/l	99
36) 1,1-Dichloropropene	5.79	75	535781	133.284	ug/l	99
37) Ethyl Acetate	4.82	43	339921	179.436	ug/l	100
38) Carbon Tetrachloride	5.77	117	631804	161.282	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	600241	124.890	ug/l	98
40) Benzene	6.13	78	1649691	137.323	ug/l	100
41) Methacrylonitrile	5.02	41	204372	158.412	ug/l	98
42) 1,2-Dichloroethane	6.18	62	570314	142.273	ug/l	100
43) Isopropyl Acetate	6.43	43	687807	182.202	ug/l	100
44) Trichloroethene	7.20	130	506726	122.154	ug/l	97
45) 1,2-Dichloropropane	7.51	63	432251	141.329	ug/l	99
46) Dibromomethane	7.65	93	264578	144.571	ug/l	99
47) Bromodichloromethane	7.89	83	652091	153.757	ug/l	99
48) Methyl methacrylate	7.76	41	342342	184.344	ug/l	100
49) 1,4-Dioxane	7.73	88	94330	3517.382	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1739460	865.750	ug/l	99
52) Toluene	8.78	92	1087142	138.061	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	677106	204.489	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	742676	175.140	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	379380	152.600	ug/l	99
56) Ethyl methacrylate	9.17	69	543367	210.524	ug/l	99
57) 1,3-Dichloropropane	9.37	76	632760	157.656	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1295897	1562.025	ug/l	99
59) 2-Hexanone	9.49	43	1248977	946.017	ug/l	99
60) Dibromochloromethane	9.58	129	527541	164.848	ug/l	100
61) 1,2-Dibromoethane	9.66	107	386459	165.697	ug/l	99
64) Tetrachloroethene	9.33	164	508091	105.222	ug/l	97
65) Chlorobenzene	10.13	112	1279029	139.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	525891	159.564	ug/l	100
67) Ethyl Benzene	10.25	91	2124307	135.546	ug/l	98
68) m/p-Xylenes	10.35	106	1660725	274.319	ug/l	97
69) o-Xylene	10.69	106	818641	140.948	ug/l	99
70) Styrene	10.71	104	1454780	152.840	ug/l	100
71) Bromoform	10.85	173	397440	177.671	ug/l #	99
73) Isopropylbenzene	11.02	105	2144280	128.644	ug/l	99
74) N-amyl acetate	10.90	43	664211	162.137	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	463924	168.083	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	385026m	176.129	ug/l	
77) Bromobenzene	11.25	156	655225	139.910	ug/l	98
78) n-propylbenzene	11.36	91	2442050	130.010	ug/l	99
79) 2-Chlorotoluene	11.42	91	1489971	131.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1881831	133.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	160616	267.021	ug/l	97
82) 4-Chlorotoluene	11.51	91	1773207	131.277	ug/l	99
83) tert-Butylbenzene	11.77	119	1921806	141.008	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1945357	139.024	ug/l	99
85) sec-Butylbenzene	11.94	105	2188994	133.538	ug/l	98
86) p-Isopropyltoluene	12.06	119	2153926	140.872	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1202591	137.921	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1203417	138.410	ug/l	100
89) n-Butylbenzene	12.38	91	1876458	139.494	ug/l	100
90) Hexachloroethane	12.59	117	436297	207.566	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	1121903	141.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	94915	219.405	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	966927	152.088	ug/l	100
94) Hexachlorobutadiene	13.78	225	628928	150.150	ug/l	99
95) Naphthalene	13.83	128	1694295	179.900	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	877442	157.863	ug/l	100

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

