

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX091019\
 Data File : VX012249.D
 Acq On : 10 Sep 2019 10:55
 Operator : SY/SP
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:34 AM

Quant Time: Sep 10 11:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	148042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	211540	95.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.90%	
35) Dibromofluoromethane	5.48	113	169367	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
50) Toluene-d8	8.71	98	621734	100.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.90%	
62) 4-Bromofluorobenzene	11.14	95	268005	93.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	110284	93.187	ug/l	98
3) Chloromethane	1.32	50	104552	91.666	ug/l	100
4) Vinyl Chloride	1.40	62	104630	95.785	ug/l	99
5) Bromomethane	1.63	94	41013	103.558	ug/l	97
6) Chloroethane	1.70	64	66918	97.583	ug/l	100
7) Trichlorofluoromethane	1.92	101	183366	98.682	ug/l	100
8) Diethyl Ether	2.18	74	66569	80.615	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	130913	94.578	ug/l	100
10) Methyl Iodide	2.50	142	143169	105.316	ug/l	99
11) Tert butyl alcohol	3.04	59	100902	492.249	ug/l	100
12) 1,1-Dichloroethene	2.36	96	108523	93.087	ug/l	98
13) Acrolein	2.28	56	53310	428.987	ug/l	97
14) Allyl chloride	2.72	41	232023	96.438	ug/l	99
15) Acrylonitrile	3.13	53	214237	469.448	ug/l	99
16) Acetone	2.44	43	224778	482.405	ug/l	98
17) Carbon Disulfide	2.56	76	233500	97.320	ug/l	99
18) Methyl Acetate	2.76	43	102821	86.842	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	458129	95.531	ug/l	98
20) Methylene Chloride	2.84	84	150804	77.130	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	131140	92.932	ug/l	96
22) Diisopropyl ether	3.84	45	532704	94.966	ug/l	95
23) Vinyl Acetate	3.80	43	1695103	494.983	ug/l	98
24) 1,1-Dichloroethane	3.69	63	280985	93.843	ug/l	99
25) 2-Butanone	4.66	43	310603	486.219	ug/l	97
26) 2,2-Dichloropropane	4.57	77	260655	93.867	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	173315	93.220	ug/l	99
28) Bromochloromethane	5.00	49	137402	100.053	ug/l	98
29) Tetrahydrofuran	5.12	42	180894	466.906	ug/l	100
30) Chloroform	5.20	83	313818	91.601	ug/l	97
31) Cyclohexane	5.57	56	189010	93.863	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	270572	95.356	ug/l	99
36) 1,1-Dichloropropene	5.79	75	192804	95.371	ug/l	100
37) Ethyl Acetate	4.82	43	128258	96.051	ug/l	99
38) Carbon Tetrachloride	5.77	117	226820	97.964	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	209875	98.657	ug/l	98
40) Benzene	6.14	78	579872	94.540	ug/l	99
41) Methacrylonitrile	5.03	41	79314	96.230	ug/l	97
42) 1,2-Dichloroethane	6.18	62	233091	94.040	ug/l	99
43) Isopropyl Acetate	6.43	43	264250	95.585	ug/l	100
44) Trichloroethene	7.20	130	156662	94.708	ug/l	98
45) 1,2-Dichloropropane	7.51	63	162004	93.575	ug/l	99
46) Dibromomethane	7.65	93	92866	94.314	ug/l	99
47) Bromodichloromethane	7.89	83	251342	95.371	ug/l	98
48) Methyl methacrylate	7.76	41	129245	97.287	ug/l	99
49) 1,4-Dioxane	7.73	88	34761	1864.278	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	697435	484.878	ug/l	100
52) Toluene	8.78	92	385031	94.512	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	256394	97.583	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	276510	96.461	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	140869	94.264	ug/l	99
56) Ethyl methacrylate	9.17	69	201450	96.424	ug/l	99
57) 1,3-Dichloropropane	9.37	76	238862	93.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	501976	505.972	ug/l	100
59) 2-Hexanone	9.49	43	504744	493.904	ug/l	99
60) Dibromochloromethane	9.58	129	172846	97.515	ug/l	99
61) 1,2-Dibromoethane	9.67	107	131205	94.162	ug/l	99
64) Tetrachloroethene	9.33	164	126467	93.000	ug/l	96
65) Chlorobenzene	10.14	112	447138	91.620	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	176556	94.480	ug/l	99
67) Ethyl Benzene	10.25	91	805777	94.131	ug/l	98
68) m/p-Xylenes	10.36	106	593368	187.946	ug/l	100
69) o-Xylene	10.70	106	291534	94.642	ug/l	99
70) Styrene	10.71	104	532536	96.140	ug/l	100
71) Bromoform	10.85	173	97357	99.922	ug/l #	99
73) Isopropylbenzene	11.01	105	810380	92.060	ug/l	100
74) N-amyl acetate	10.89	43	262094	93.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	183113	92.549	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	162673m	94.794	ug/l	
77) Bromobenzene	11.25	156	187241	88.986	ug/l	99
78) n-propylbenzene	11.35	91	979931	92.495	ug/l	100
79) 2-Chlorotoluene	11.42	91	601149	90.906	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	728537	91.435	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	58894	94.786	ug/l	97
82) 4-Chlorotoluene	11.51	91	723174	89.340	ug/l	100
83) tert-Butylbenzene	11.77	119	710811	92.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	755405	91.665	ug/l	98
85) sec-Butylbenzene	11.94	105	828725	91.266	ug/l	100
86) p-Isopropyltoluene	12.06	119	791363	93.998	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	378558	90.722	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	380830	91.012	ug/l	99
89) n-Butylbenzene	12.39	91	770855	95.442	ug/l	99
90) Hexachloroethane	12.59	117	151008	97.806	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	357453	91.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37375	95.291	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	256801	99.460	ug/l	99
94) Hexachlorobutadiene	13.78	225	122467	98.045	ug/l	98
95) Naphthalene	13.83	128	574698	101.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	232460	102.960	ug/l	99

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

