

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010657.D
 Acq On : 03 Jul 2019 21:52
 Operator : JC/SP
 Sample : K3636-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0991MSD

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 2:40:55 PM

Quant Time: Jul 04 05:31:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104272	56.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.24%	
35) Dibromofluoromethane	5.50	113	98597	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	8.71	98	343965	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.13	95	126899	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80737	58.600	ug/l	99
3) Chloromethane	1.32	50	96846	60.366	ug/l	99
4) Vinyl Chloride	1.41	62	101467	57.743	ug/l	100
5) Bromomethane	1.64	94	52257	61.042	ug/l	99
6) Chloroethane	1.71	64	67340	64.955	ug/l	99
7) Trichlorofluoromethane	1.93	101	157848	56.666	ug/l	98
8) Diethyl Ether	2.19	74	67974	68.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	82976	49.154	ug/l	98
10) Methyl Iodide	2.51	142	132182	54.867	ug/l	97
11) Tert butyl alcohol	3.05	59	125020	257.138	ug/l	99
12) 1,1-Dichloroethene	2.37	96	94686	55.123	ug/l	98
13) Acrolein	2.29	56	90981	282.084	ug/l	100
14) Allyl chloride	2.73	41	140043	57.426	ug/l	97
15) Acrylonitrile	3.14	53	290473	301.753	ug/l	99
16) Acetone	2.45	43	235956	253.386	ug/l	99
17) Carbon Disulfide	2.57	76	245773	53.331	ug/l	100
18) Methyl Acetate	2.78	43	101549	54.715	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	327239	60.557	ug/l	100
20) Methylene Chloride	2.85	84	114640	59.821	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	104992	56.831	ug/l	97
22) Diisopropyl ether	3.85	45	307591	60.327	ug/l	96
23) Vinyl Acetate	3.82	43	1247359	283.185	ug/l	99
24) 1,1-Dichloroethane	3.70	63	176600	59.920	ug/l	99
25) 2-Butanone	4.67	43	391266	286.438	ug/l	99
26) 2,2-Dichloropropane	4.59	77	100480	39.246	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	121524	56.924	ug/l	99
28) Bromochloromethane	5.01	49	78305	55.570	ug/l	94
29) Tetrahydrofuran	5.13	42	258192	305.158	ug/l	98
30) Chloroform	5.21	83	186062	58.675	ug/l	97
31) Cyclohexane	5.58	56	132252	49.276	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	155904	55.679	ug/l	99
36) 1,1-Dichloropropene	5.80	75	126414	51.264	ug/l	98
37) Ethyl Acetate	4.84	43	139061	54.817	ug/l	98
38) Carbon Tetrachloride	5.79	117	132934	49.783	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	139858	43.148	ug/l	97
40) Benzene	6.14	78	422013	54.932	ug/l	99
41) Methacrylonitrile	5.04	41	81185	58.326	ug/l	99
42) 1,2-Dichloroethane	6.20	62	142982	61.141	ug/l	97
43) Isopropyl Acetate	6.45	43	230914	55.017	ug/l	98
44) Trichloroethene	7.21	130	117227	50.995	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106984	55.145	ug/l	100
46) Dibromomethane	7.66	93	78893	56.678	ug/l	96
47) Bromodichloromethane	7.90	83	139798	54.803	ug/l	99
48) Methyl methacrylate	7.77	41	117461	60.208	ug/l	97
49) 1,4-Dioxane	7.74	88	60507	1076.628	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	794439	295.953	ug/l	98
52) Toluene	8.79	92	264953	52.370	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147707	51.647	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	161765	52.049	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	116281	55.729	ug/l	98
56) Ethyl methacrylate	9.18	69	177925	56.291	ug/l	94
57) 1,3-Dichloropropane	9.37	76	184498	56.963	ug/l	99
59) 2-Hexanone	9.49	43	611471	289.430	ug/l	98
60) Dibromochloromethane	9.59	129	124757	53.401	ug/l	100
61) 1,2-Dibromoethane	9.67	107	128025	56.845	ug/l	99
64) Tetrachloroethene	9.34	164	104152	45.263	ug/l	98
65) Chlorobenzene	10.13	112	303001	52.462	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	112829	53.631	ug/l	99
67) Ethyl Benzene	10.25	91	500191	51.299	ug/l	100
68) m/p-Xylenes	10.36	106	387996	102.696	ug/l	99
69) o-Xylene	10.69	106	193385	52.049	ug/l	100
70) Stvrene	10.71	104	337606	54.183	ug/l	99
71) Bromoform	10.85	173	94722	51.775	ug/l #	100
73) Isopropylbenzene	11.02	105	488579	49.514	ug/l	99
74) N-amyl acetate	10.90	43	195712	52.481	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	181354	55.496	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	146717m	55.311	ug/l	
77) Bromobenzene	11.26	156	143735	52.167	ug/l	99
78) n-propylbenzene	11.36	91	546644	50.406	ug/l	99
79) 2-Chlorotoluene	11.42	91	330372	51.158	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411686	50.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50525	44.436	ug/l	91
82) 4-Chlorotoluene	11.51	91	385821	52.504	ug/l	99
83) tert-Butylbenzene	11.77	119	408250	50.002	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	423878	51.865	ug/l	98
85) sec-Butylbenzene	11.94	105	465222	48.530	ug/l	100
86) p-Isopropyltoluene	12.06	119	433248	48.860	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	241816	50.278	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	245010	50.039	ug/l	99
89) n-Butylbenzene	12.38	91	363713	48.271	ug/l	99
90) Hexachloroethane	12.60	117	70984	46.297	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	244304	51.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37857	53.731	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	162055	48.886	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	69885	43.136	ug/l	98
95) Naphthalene	13.83	128	540302	53.039	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	167933	50.952	ug/l	100

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

