

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013119.D
 Acq On : 17 Oct 2019 19:51
 Operator : JC/SP
 Sample : K5396-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW0301CMS

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 10:05:11 AM

Quant Time: Oct 18 08:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	147295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246201	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	90387	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.48	113	70642	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	263342	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.14	95	104217	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	71865	47.865	ug/l	99
3) Chloromethane	1.32	50	75225	46.037	ug/l	97
4) Vinyl Chloride	1.40	62	77675	46.056	ug/l	98
5) Bromomethane	1.63	94	33029	47.112	ug/l	99
6) Chloroethane	1.71	64	49234	47.807	ug/l	99
7) Trichlorofluoromethane	1.92	101	120994	53.153	ug/l	95
8) Diethyl Ether	2.18	74	46505	50.614	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77986	52.935	ug/l	98
10) Methyl Iodide	2.50	142	95162	56.304	ug/l	99
11) Tert butyl alcohol	3.04	59	116360	238.427	ug/l	98
12) 1,1-Dichloroethene	2.36	96	76658	51.501	ug/l	95
13) Acrolein	2.28	56	99538	286.999	ug/l	98
14) Allyl chloride	2.72	41	129545	48.870	ug/l	98
15) Acrylonitrile	3.13	53	243175	262.933	ug/l	99
16) Acetone	2.44	43	205848	212.129	ug/l	99
17) Carbon Disulfide	2.56	76	177532	41.829	ug/l	99
18) Methyl Acetate	2.76	43	108288	47.080	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	284616	55.370	ug/l	100
20) Methylene Chloride	2.84	84	89403	50.131	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	81342	50.986	ug/l	95
22) Diisopropyl ether	3.84	45	265972	52.363	ug/l	94
23) Vinyl Acetate	3.80	43	1056017	240.829	ug/l	100
24) 1,1-Dichloroethane	3.69	63	151904	53.159	ug/l	100
25) 2-Butanone	4.66	43	329235	244.551	ug/l	100
26) 2,2-Dichloropropane	4.57	77	109567	45.597	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	106640	57.989	ug/l	96
28) Bromochloromethane	5.00	49	45082	52.815	ug/l	94
29) Tetrahydrofuran	5.12	42	208681	251.891	ug/l	96
30) Chloroform	5.20	83	157338	53.661	ug/l	98
31) Cyclohexane	5.57	56	126109	47.196	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	141084	56.788	ug/l	98
36) 1,1-Dichloropropene	5.79	75	112620	52.028	ug/l	100
37) Ethyl Acetate	4.83	43	130700	53.998	ug/l	99
38) Carbon Tetrachloride	5.78	117	114888	54.529	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	132589	50.508	ug/l	97
40) Benzene	6.13	78	345114	53.981	ug/l	99
41) Methacrylonitrile	5.03	41	69159	51.999	ug/l	98
42) 1,2-Dichloroethane	6.18	62	127615	55.628	ug/l	99
43) Isopropyl Acetate	6.43	43	196704	50.633	ug/l	99
44) Trichloroethene	7.20	130	127426	71.876	ug/l	96
45) 1,2-Dichloropropane	7.51	63	89639	55.013	ug/l	98
46) Dibromomethane	7.65	93	60683	55.897	ug/l	97
47) Bromodichloromethane	7.89	83	120809	57.023	ug/l	97
48) Methyl methacrylate	7.76	41	100587	53.132	ug/l	99
49) 1,4-Dioxane	7.73	88	50542	995.025	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	647155	267.182	ug/l	99
52) Toluene	8.78	92	218293	53.371	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	127115	48.162	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	139266	53.447	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	92489	57.140	ug/l	98
56) Ethyl methacrylate	9.17	69	146548	50.540	ug/l	97
57) 1,3-Dichloropropane	9.37	76	153923	54.974	ug/l	99
59) 2-Hexanone	9.49	43	497658	263.941	ug/l	98
60) Dibromochloromethane	9.58	129	94344	52.288	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95053	55.824	ug/l	100
64) Tetrachloroethene	9.33	164	87565	56.792	ug/l	96
65) Chlorobenzene	10.14	112	237996	53.913	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	89052	58.181	ug/l	99
67) Ethyl Benzene	10.25	91	425816	54.304	ug/l	99
68) m/p-Xylenes	10.35	106	323089	110.293	ug/l	99
69) o-Xylene	10.70	106	155984	54.604	ug/l	100
70) Stvrene	10.71	104	274155	56.453	ug/l	100
71) Bromoform	10.85	173	65893	50.502	ug/l #	98
73) Isopropylbenzene	11.01	105	421103	53.590	ug/l	100
74) N-amyl acetate	10.89	43	164757	48.684	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	136316	52.158	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	114443m	48.278	ug/l	
77) Bromobenzene	11.25	156	101033	54.563	ug/l	97
78) n-propylbenzene	11.35	91	454987	52.621	ug/l	99
79) 2-Chlorotoluene	11.42	91	283658	52.200	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	345750	52.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	41240	45.166	ug/l	98
82) 4-Chlorotoluene	11.51	91	336398	54.010	ug/l	100
83) tert-Butylbenzene	11.76	119	336945	52.644	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	360930	54.315	ug/l	100
85) sec-Butylbenzene	11.94	105	394401	53.188	ug/l	98
86) p-Isopropyltoluene	12.06	119	364286	52.970	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	184366	53.617	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	182304	52.349	ug/l	99
89) n-Butylbenzene	12.39	91	302085	52.264	ug/l	98
90) Hexachloroethane	12.59	117	63482	49.846	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	185109	54.912	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	33236	54.257	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	109602	51.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	49493	50.785	ug/l	98
95) Naphthalene	13.83	128	362776	49.558	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	108453	49.699	ug/l	98

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

