

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013988.D
 Acq On : 12 Dec 2019 20:15
 Operator : JC/SP
 Sample : K6249-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:27 AM

Quant Time: Dec 13 04:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	485101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	753975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	693356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	256781	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	5.49	113	216203	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.71	98	802307	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
62) 4-Bromofluorobenzene	11.14	95	304767	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	232811	43.117	ug/l	98
3) Chloromethane	1.31	50	269012	44.402	ug/l	99
4) Vinyl Chloride	1.40	62	311332	45.656	ug/l	100
5) Bromomethane	1.62	94	225157	49.166	ug/l	96
6) Chloroethane	1.70	64	184991	47.674	ug/l	100
7) Trichlorofluoromethane	1.91	101	346008	45.696	ug/l	100
8) Diethyl Ether	2.18	74	166951	48.736	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216885	46.894	ug/l	99
10) Methyl Iodide	2.50	142	288310	51.532	ug/l	100
11) Tert butyl alcohol	3.05	59	317606	228.511	ug/l	99
12) 1,1-Dichloroethene	2.36	96	217333	47.077	ug/l	97
13) Acrolein	2.28	56	215287	232.052	ug/l	98
14) Allyl chloride	2.72	41	394481	47.086	ug/l	100
15) Acrylonitrile	3.13	53	694926	242.220	ug/l	99
16) Acetone	2.44	43	574182	206.536	ug/l	98
17) Carbon Disulfide	2.56	76	509832	38.740	ug/l	99
18) Methyl Acetate	2.76	43	384571	49.677	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	764724	50.003	ug/l	99
20) Methylene Chloride	2.84	84	253473	47.458	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	228886	45.511	ug/l	98
22) Diisopropyl ether	3.84	45	827903	51.321	ug/l	99
23) Vinyl Acetate	3.80	43	3179615	236.929	ug/l	99
24) 1,1-Dichloroethane	3.69	63	548845	62.236	ug/l	98
25) 2-Butanone	4.66	43	962339	232.916	ug/l	100
26) 2,2-Dichloropropane	4.57	77	311711	42.721	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	277699	48.082	ug/l	98
28) Bromochloromethane	5.01	49	189225	54.298	ug/l	97
29) Tetrahydrofuran	5.12	42	613489	240.861	ug/l	99
30) Chloroform	5.20	83	427530	47.803	ug/l	96
31) Cyclohexane	5.57	56	375656	45.162	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	358831	48.011	ug/l	99
36) 1,1-Dichloropropene	5.79	75	311207	45.470	ug/l	99
37) Ethyl Acetate	4.82	43	357329	46.538	ug/l	100
38) Carbon Tetrachloride	5.78	117	300183	47.565	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	370621	43.808	ug/l	99
40) Benzene	6.13	78	993796	47.675	ug/l	98
41) Methacrylonitrile	5.03	41	206179	48.964	ug/l	99
42) 1,2-Dichloroethane	6.18	62	344897	48.515	ug/l	99
43) Isopropyl Acetate	6.43	43	594871	47.060	ug/l	100
44) Trichloroethene	7.20	130	276350	48.305	ug/l	95
45) 1,2-Dichloropropane	7.51	63	263812	50.583	ug/l	99
46) Dibromomethane	7.65	93	164866	46.544	ug/l	98
47) Bromodichloromethane	7.89	83	330231	49.315	ug/l	99
48) Methyl methacrylate	7.76	41	306011	49.824	ug/l	99
49) 1,4-Dioxane	7.73	88	124235	903.678	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	2026915	254.917	ug/l	99
52) Toluene	8.78	92	626072	48.346	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	361828	47.471	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	404335	48.555	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	264558	50.696	ug/l	98
56) Ethyl methacrylate	9.17	69	422728	50.384	ug/l	100
57) 1,3-Dichloropropane	9.37	76	443980	49.358	ug/l	100
59) 2-Hexanone	9.49	43	1536837	247.821	ug/l	99
60) Dibromochloromethane	9.57	129	273252	50.455	ug/l	99
61) 1,2-Dibromoethane	9.67	107	270965	48.616	ug/l	98
64) Tetrachloroethene	9.33	164	234840	45.418	ug/l	96
65) Chlorobenzene	10.14	112	681031	47.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	256363	49.593	ug/l	100
67) Ethyl Benzene	10.25	91	1200405	48.527	ug/l	100
68) m/p-Xylenes	10.35	106	909951	96.081	ug/l	99
69) o-Xylene	10.70	106	444949	48.172	ug/l	98
70) Stvrene	10.71	104	773449	49.779	ug/l	100
71) Bromoform	10.85	173	212429	49.666	ug/l #	99
73) Isopropylbenzene	11.01	105	1194899	48.080	ug/l	100
74) N-amyl acetate	10.89	43	544224	47.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	440546	51.115	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	389306m	48.854	ug/l	
77) Bromobenzene	11.25	156	317716	47.322	ug/l	98
78) n-propylbenzene	11.35	91	1328950	47.902	ug/l	100
79) 2-Chlorotoluene	11.42	91	805394	48.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	998961	49.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	130653	44.856	ug/l	99
82) 4-Chlorotoluene	11.51	91	924437	47.959	ug/l	99
83) tert-Butylbenzene	11.77	119	1019539	49.251	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1009219	48.820	ug/l	100
85) sec-Butylbenzene	11.94	105	1172353	49.582	ug/l	100
86) p-Isopropyltoluene	12.06	119	1056879	48.047	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552117	47.175	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	566104	47.489	ug/l	100
89) n-Butylbenzene	12.38	91	886419	47.248	ug/l	100
90) Hexachloroethane	12.59	117	191057	48.053	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	569360	49.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	87715	46.735	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	370071	45.920	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	173596	44.841	ug/l	99
95) Naphthalene	13.83	128	1121957	46.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	376874	47.231	ug/l	99

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

