

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031320\
 Data File : VX015270.D
 Acq On : 13 Mar 2020 19:06
 Operator : JC/SP
 Sample : L1903-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309MSD

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:28 PM

Quant Time: Mar 16 16:31:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	231807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	352224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	327489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	175573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135666	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.49	113	115729	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	8.71	98	443310	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.13	95	165632	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	91819	45.234	ug/l	98
3) Chloromethane	1.32	50	119364	41.513	ug/l	100
4) Vinyl Chloride	1.40	62	124471	42.691	ug/l	99
5) Bromomethane	1.64	94	80016	44.640	ug/l	100
6) Chloroethane	1.72	64	79347	45.368	ug/l	97
7) Trichlorofluoromethane	1.92	101	161421	46.529	ug/l	94
8) Diethyl Ether	2.18	74	72099	45.884	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	111974	51.301	ug/l	98
10) Methyl Iodide	2.50	142	111779	45.329	ug/l	99
11) Tert butyl alcohol	3.05	59	138912	291.135	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107960	47.926	ug/l	98
13) Acrolein	2.28	56	114556	255.478	ug/l	97
14) Allyl chloride	2.72	41	204570	52.082	ug/l	93
15) Acrylonitrile	3.13	53	335179	282.073	ug/l	99
16) Acetone	2.44	43	272616	244.776	ug/l	97
17) Carbon Disulfide	2.56	76	280235	44.796	ug/l	99
18) Methyl Acetate	2.76	43	142345	52.270	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	372064	52.855	ug/l	98
20) Methylene Chloride	2.85	84	125328	48.084	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	116425	48.403	ug/l	98
22) Diisopropyl ether	3.84	45	420310	53.710	ug/l	96
23) Vinyl Acetate	3.81	43	1668563	259.389	ug/l	99
24) 1,1-Dichloroethane	3.69	63	223218	51.395	ug/l	99
25) 2-Butanone	4.66	43	455414	279.308	ug/l	98
26) 2,2-Dichloropropane	4.57	77	148192	42.981	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	150694	55.845	ug/l	97
28) Bromochloromethane	5.00	49	104867	53.024	ug/l	97
29) Tetrahydrofuran	5.12	42	303696	288.947	ug/l	96
30) Chloroform	5.20	83	220139	52.003	ug/l	95
31) Cyclohexane	5.57	56	192869	49.785	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	177690	50.637	ug/l	99
36) 1,1-Dichloropropene	5.79	75	159211	48.895	ug/l	100
37) Ethyl Acetate	4.82	43	172463	57.099	ug/l	98
38) Carbon Tetrachloride	5.78	117	153641	49.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187429	49.296	ug/l	99
40) Benzene	6.14	78	496466	51.391	ug/l	100
41) Methacrylonitrile	5.03	41	102338	56.408	ug/l	96
42) 1,2-Dichloroethane	6.18	62	164355	49.541	ug/l	99
43) Isopropyl Acetate	6.43	43	285322	53.697	ug/l	99
44) Trichloroethene	7.21	130	734173	272.885	ug/l	99
45) 1,2-Dichloropropane	7.51	63	133439	53.364	ug/l	98
46) Dibromomethane	7.65	93	83716	51.381	ug/l	97
47) Bromodichloromethane	7.89	83	167402	51.956	ug/l	97
48) Methyl methacrylate	7.76	41	147725	54.624	ug/l	97
49) 1,4-Dioxane	7.73	88	66529	1137.791	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	912946	290.593	ug/l	100
52) Toluene	8.78	92	315157	53.355	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	179001	52.195	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	200895	51.817	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	127833	52.580	ug/l	97
56) Ethyl methacrylate	9.17	69	197031	56.817	ug/l	97
57) 1,3-Dichloropropane	9.37	76	211930	51.814	ug/l	98
59) 2-Hexanone	9.48	43	682944	293.291	ug/l	100
60) Dibromochloromethane	9.57	129	134911	52.825	ug/l	98
61) 1,2-Dibromoethane	9.67	107	130480	51.096	ug/l	99
64) Tetrachloroethene	9.33	164	180704	66.737	ug/l	98
65) Chlorobenzene	10.14	112	331228	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	125266	50.527	ug/l	99
67) Ethyl Benzene	10.25	91	584097	52.316	ug/l	99
68) m/p-Xylenes	10.35	106	448673	105.625	ug/l	100
69) o-Xylene	10.69	106	213685	52.542	ug/l	99
70) Stvrene	10.71	104	379030	54.355	ug/l	100
71) Bromoform	10.85	173	106038	55.156	ug/l #	99
73) Isopropylbenzene	11.01	105	577783	51.515	ug/l	100
74) N-amyl acetate	10.89	43	238166	50.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	185765	49.699	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	180573m	51.561	ug/l	
77) Bromobenzene	11.25	156	151156	48.359	ug/l	99
78) n-propylbenzene	11.35	91	663752	51.801	ug/l	100
79) 2-Chlorotoluene	11.42	91	386437	50.500	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	481747	51.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	59512	48.226	ug/l	99
82) 4-Chlorotoluene	11.51	91	450141	49.791	ug/l	99
83) tert-Butylbenzene	11.76	119	463108	51.298	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	488462	52.077	ug/l	99
85) sec-Butylbenzene	11.94	105	565958	51.931	ug/l	100
86) p-Isopropyltoluene	12.06	119	524568	52.244	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	275907	50.212	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	276721	48.779	ug/l	99
89) n-Butylbenzene	12.39	91	463022	51.849	ug/l	99
90) Hexachloroethane	12.59	117	91407	48.154	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	273279	50.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40959	54.723	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	201219	53.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	93862	48.236	ug/l	99
95) Naphthalene	13.83	128	588224	50.597	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	205967	54.438	ug/l	99

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

