

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121420\
 Data File : VX020001.D
 Acq On : 14 Dec 2020 20:54
 Operator : JC/MD
 Sample : L5052-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:19 PM

Quant Time: Dec 15 02:17:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	231615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	410019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	382922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	173388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	156767	51.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.00%
35) Dibromofluoromethane	5.46	113	127858	48.25	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.50%
50) Toluene-d8	8.70	98	478149	47.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.52%
62) 4-Bromofluorobenzene	11.12	95	181160	47.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	104524	49.291	ug/l	99
3) Chloromethane	1.31	50	128543	51.544	ug/l	98
4) Vinyl Chloride	1.39	62	397875	151.309	ug/l	97
5) Bromomethane	1.62	94	28639	32.801	ug/l	99
6) Chloroethane	1.70	64	131033	82.952	ug/l	97
7) Trichlorofluoromethane	1.91	101	192802	52.648	ug/l	99
8) Diethyl Ether	2.17	74	87558	56.421	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	105824	50.415	ug/l	98
10) Methyl Iodide	2.48	142	125349	40.514	ug/l	99
11) Tert butyl alcohol	3.03	59	264299	424.144	ug/l	99
12) 1,1-Dichloroethene	2.35	96	144105	67.907	ug/l	95
13) Acrolein	2.27	56	77865	231.734	ug/l	98
14) Allyl chloride	2.70	41	207230	57.820	ug/l #	62
15) Acrylonitrile	3.12	53	476603	346.329	ug/l	99
16) Acetone	2.42	43	453403	396.262	ug/l	100
17) Carbon Disulfide	2.54	76	314951	51.725	ug/l	99
18) Methyl Acetate	2.75	43	1001900	357.826	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	465234	60.199	ug/l	99
20) Methylene Chloride	2.83	84	152541	58.642	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	890383	359.889	ug/l	97
22) Diisopropyl ether	3.82	45	441788	60.967	ug/l	93
23) Vinyl Acetate	3.78	43	1807786	292.826	ug/l	99
24) 1,1-Dichloroethane	3.67	63	255209	58.403	ug/l	100
25) 2-Butanone	4.64	43	699268	397.722	ug/l	100
26) 2,2-Dichloropropane	4.55	77	84466	22.446	ug/l #	1
27) cis-1,2-Dichloroethene	4.56	96	9128798	3152.985	ug/l	89
28) Bromochloromethane	4.98	49	112276	53.898	ug/l	97
29) Tetrahydrofuran	5.09	42	410881	362.721	ug/l	98
30) Chloroform	5.17	83	260934	58.074	ug/l	99
31) Cyclohexane	5.54	56	173361	45.783	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	217875	56.307	ug/l	100
36) 1,1-Dichloropropene	5.76	75	179193	48.364	ug/l	99
37) Ethyl Acetate	4.79	43	214204	57.260	ug/l #	79
38) Carbon Tetrachloride	5.75	117	179176	49.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	123499	28.371	ug/l	98
40) Benzene	6.11	78	587932	51.947	ug/l	100
41) Methacrylonitrile	5.00	41	122516	59.650	ug/l	99
42) 1,2-Dichloroethane	6.16	62	206475	53.395	ug/l	99
43) Isopropyl Acetate	6.41	43	336495	55.327	ug/l	99
44) Trichloroethene	7.18	130	235214	79.209	ug/l	99
45) 1,2-Dichloropropane	7.49	63	154941	54.775	ug/l	98
46) Dibromomethane	7.63	93	104214	54.556	ug/l	100
47) Bromodichloromethane	7.87	83	208329	54.961	ug/l	99
48) Methyl methacrylate	7.74	41	176170	58.897	ug/l	97
49) 1,4-Dioxane	7.71	88	108188	1493.079	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1189768	320.415	ug/l	100
52) Toluene	8.76	92	363795	51.393	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	200124	47.577	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	210596	46.085	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	158050	55.405	ug/l	99
56) Ethyl methacrylate	9.16	69	249678	57.851	ug/l	99
57) 1,3-Dichloropropane	9.35	76	265943	54.599	ug/l	99
59) 2-Hexanone	9.47	43	956041	332.163	ug/l	100
60) Dibromochloromethane	9.56	129	162458	56.055	ug/l	98
61) 1,2-Dibromoethane	9.65	107	165458	54.623	ug/l	99
64) Tetrachloroethene	9.32	164	102045	39.738	ug/l	96
65) Chlorobenzene	10.12	112	383295	50.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	145726	53.071	ug/l	99
67) Ethyl Benzene	10.23	91	653203	48.237	ug/l	99
68) m/p-Xylenes	10.34	106	484944	95.037	ug/l	99
69) o-Xylene	10.68	106	238775	48.645	ug/l	98
70) Styrene	10.70	104	424591	51.248	ug/l	100
71) Bromoform	10.84	173	129533	59.966	ug/l	99
73) Isopropylbenzene	11.00	105	564804	47.680	ug/l	99
74) N-amyl acetate	10.88	43	306877	64.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	274954	65.836	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	245964m	63.249	ug/l	
77) Bromobenzene	11.24	156	164615	54.302	ug/l	98
78) n-propylbenzene	11.34	91	605878	44.781	ug/l	98
79) 2-Chlorotoluene	11.40	91	418528	50.232	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	443402	44.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	63714	47.363	ug/l	99
82) 4-Chlorotoluene	11.49	91	490410	50.257	ug/l	99
83) tert-Butylbenzene	11.76	119	424055	43.248	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	467477	46.420	ug/l	100
85) sec-Butylbenzene	11.93	105	386830	34.555	ug/l	99
86) p-Isopropyltoluene	12.05	119	358814	34.973	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	263792	47.411	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	277812	49.023	ug/l	99
89) n-Butylbenzene	12.37	91	255845	28.147	ug/l	99
90) Hexachloroethane	12.58	117	66532	37.562	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	280092	51.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	66462	74.026	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	126485	35.825	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	15841	10.038	ug/l	99
95) Naphthalene	13.82	128	687734	60.083	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	134463	38.969	ug/l	99

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

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