

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022459.D
 Acq On : 05 Jun 2021 10:15
 Operator : JC/MD
 Sample : VX0604WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 6:51:14 PM

Quant Time: Jun 07 03:20:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	69687	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	143728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59370	55.229	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.460%
35) Dibromofluoromethane	5.391	113	44630	48.966	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.940%
50) Toluene-d8	8.653	98	166188	47.333	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.660%
62) 4-Bromofluorobenzene	11.085	95	63074	48.603	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	16073	18.972	ug/l	97
3) Chloromethane	1.294	50	19363	21.189	ug/l	96
4) Vinyl Chloride	1.374	62	20308	21.001	ug/l	98
5) Bromomethane	1.599	94	11581	20.543	ug/l	94
6) Chloroethane	1.685	64	12062	20.949	ug/l	94
7) Trichlorofluoromethane	1.886	101	28061	20.183	ug/l	97
8) Diethyl Ether	2.136	74	11827	19.780	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	16071	19.466	ug/l	90
10) Methyl Iodide	2.453	142	18747	21.129	ug/l	96
11) Tert butyl alcohol	2.977	59	29084	118.291	ug/l	99
12) 1,1-Dichloroethene	2.319	96	16642	20.837	ug/l	98
13) Acrolein	2.239	56	11649	71.437	ug/l	98
14) Allyl chloride	2.666	41	29194	19.901	ug/l	96
15) Acrylonitrile	3.069	53	58876	121.634	ug/l	99
16) Acetone	2.386	43	55367	118.287	ug/l	92
17) Carbon Disulfide	2.514	76	37803	18.071	ug/l	99
18) Methyl Acetate	2.709	43	29800	23.939	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	60206	22.005	ug/l	95
20) Methylene Chloride	2.794	84	21570	20.755	ug/l	# 83
21) trans-1,2-Dichloroethene	3.093	96	18803	21.644	ug/l	97
22) Diisopropyl ether	3.770	45	63770	22.570	ug/l	91
23) Vinyl Acetate	3.733	43	305894	112.446	ug/l	96
24) 1,1-Dichloroethane	3.617	63	36424	21.968	ug/l	98
25) 2-Butanone	4.568	43	91401	120.701	ug/l	96
26) 2,2-Dichloropropane	4.489	77	14519	9.864	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	22734	21.518	ug/l	95
28) Bromochloromethane	4.904	49	15703	19.522	ug/l	# 79
29) Tetrahydrofuran	5.019	42	55959	124.158	ug/l	86
30) Chloroform	5.105	83	36241	21.155	ug/l	96
31) Cyclohexane	5.483	56	28189	20.868	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	29527	20.170	ug/l	98
36) 1,1-Dichloropropene	5.696	75	26706	20.094	ug/l	97
37) Ethyl Acetate	4.727	43	35276	21.652	ug/l	# 92
38) Carbon Tetrachloride	5.690	117	23010	17.699	ug/l	96
39) Methylcyclohexane	7.385	83	26145	17.345	ug/l	99
40) Benzene	6.050	78	84302	20.615	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	19162	21.985	ug/l	92
42) 1,2-Dichloroethane	6.098	62	30436	21.245	ug/l	97
43) Isopropyl Acetate	6.355	43	57220	21.472	ug/l #	92
44) Trichloroethene	7.135	130	19573	19.262	ug/l	93
45) 1,2-Dichloropropane	7.440	63	21336	20.453	ug/l	97
46) Dibromomethane	7.586	93	14058	19.864	ug/l #	86
47) Bromodichloromethane	7.830	83	25545	18.038	ug/l	91
48) Methyl methacrylate	7.702	41	25884	21.076	ug/l	90
49) 1,4-Dioxane	7.665	88	11031	461.334	ug/l #	96
51) 4-Methyl-2-Pentanone	8.580	43	180601	113.139	ug/l	90
52) Toluene	8.720	92	51286	19.804	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	26423	16.164	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	29347	16.699	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	21390	20.346	ug/l	96
56) Ethyl methacrylate	9.122	69	35096	20.656	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	36552	20.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	81812	89.028	ug/l	97
59) 2-Hexanone	9.433	43	138011	114.955	ug/l	89
60) Dibromochloromethane	9.525	129	17054	16.674	ug/l	96
61) 1,2-Dibromoethane	9.616	107	21571	20.608	ug/l	94
64) Tetrachloroethene	9.275	164	17041	19.871	ug/l	92
65) Chlorobenzene	10.086	112	54496	20.041	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	17122	18.121	ug/l	95
67) Ethyl Benzene	10.195	91	96276	19.247	ug/l	98
68) m/p-Xylenes	10.305	106	72750	38.482	ug/l	98
69) o-Xylene	10.646	106	35471	19.292	ug/l	97
70) Styrene	10.659	104	59997	19.919	ug/l	98
71) Bromoform	10.805	173	9545	14.221	ug/l #	94
73) Isopropylbenzene	10.963	105	91230	19.870	ug/l	99
74) N-amyl acetate	10.848	43	47872	21.967	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	33395	21.944	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	29904m	22.345	ug/l	
77) Bromobenzene	11.201	156	19627	20.161	ug/l	85
78) n-propylbenzene	11.305	91	108452	20.167	ug/l	97
79) 2-Chlorotoluene	11.366	91	65513	20.085	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	77654	20.407	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	7304	12.931	ug/l	87
82) 4-Chlorotoluene	11.457	91	74433	19.807	ug/l	96
83) tert-Butylbenzene	11.719	119	70005	19.182	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	78049	20.377	ug/l	99
85) sec-Butylbenzene	11.896	105	92166	19.873	ug/l	96
86) p-Isopropyltoluene	12.012	119	75212	19.201	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	37036	19.732	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	37056	19.100	ug/l	96
89) n-Butylbenzene	12.335	91	68433	18.887	ug/l	97
90) Hexachloroethane	12.542	117	10179	15.724	ug/l	71
91) 1,2-Dichlorobenzene	12.335	146	37027	20.538	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6483	19.908	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	20440	18.789	ug/l	97
94) Hexachlorobutadiene	13.725	225	7118	16.763	ug/l	97
95) Naphthalene	13.780	128	88374	20.830	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	21957	20.023	ug/l	96

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

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