

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091321\
 Data File : VX024179.D
 Acq On : 13 Sep 2021 10:43
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/14/2021 10:47:17 AM

Quant Time: Sep 13 12:06:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 13 12:04:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	208717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	326661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	53959	18.989	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	37.980%#		
35) Dibromofluoromethane	5.398	113	40375	19.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.220%#		
50) Toluene-d8	8.653	98	146648	18.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	36.700%#		
62) 4-Bromofluorobenzene	11.086	95	55383	18.721	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.440%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	37679	17.987	ug/l	100
3) Chloromethane	1.295	50	36800	16.149	ug/l	98
4) Vinyl Chloride	1.374	62	36764	16.502	ug/l	99
5) Bromomethane	1.605	94	25832	18.739	ug/l	98
6) Chloroethane	1.685	64	23817	15.634	ug/l	97
7) Trichlorofluoromethane	1.886	101	64619	18.135	ug/l	99
8) Diethyl Ether	2.142	74	22442	18.078	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	38964	19.330	ug/l	97
10) Methyl Iodide	2.453	142	49548	17.840	ug/l	92
11) Tert butyl alcohol	2.977	59	62305	106.346	ug/l	99
12) 1,1-Dichloroethene	2.319	96	36224	18.788	ug/l	95
13) Acrolein	2.240	56	24152	74.659	ug/l	100
14) Allyl chloride	2.666	41	64668	18.214	ug/l	90
15) Acrylonitrile	3.069	53	115895	91.475	ug/l	96
16) Acetone	2.386	43	126767	99.879	ug/l	90
17) Carbon Disulfide	2.514	76	80255	17.664	ug/l	99
18) Methyl Acetate	2.709	43	66160	20.591	ug/l	92
19) Methyl tert-butyl Ether	3.124	73	136287	20.068	ug/l	99
20) Methylene Chloride	2.794	84	42054	17.523	ug/l	92
21) trans-1,2-Dichloroethene	3.099	96	37224	18.051	ug/l	99
22) Diisopropyl ether	3.770	45	131294	18.602	ug/l	94
23) Vinyl Acetate	3.733	43	517195	90.910	ug/l	96
24) 1,1-Dichloroethane	3.617	63	74320	18.803	ug/l	96
25) 2-Butanone	4.568	43	179159	94.318	ug/l	92
26) 2,2-Dichloropropane	4.483	77	66850	20.293	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	46179	18.832	ug/l	95
28) Bromochloromethane	4.904	49	33862	19.138	ug/l	99
29) Tetrahydrofuran	5.020	42	111033	90.355	ug/l	93
30) Chloroform	5.111	83	78724	18.707	ug/l	99
31) Cyclohexane	5.477	56	63366	17.902	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	72329	19.995	ug/l	97
36) 1,1-Dichloropropene	5.702	75	56971	19.560	ug/l	98
37) Ethyl Acetate	4.727	43	65171	18.114	ug/l	95
38) Carbon Tetrachloride	5.690	117	63061	20.456	ug/l	96
39) Methylcyclohexane	7.385	83	67223	19.071	ug/l	97
40) Benzene	6.050	78	161500	18.731	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	35318	18.165	ug/l	92
42) 1,2-Dichloroethane	6.099	62	68314	19.946	ug/l	94
43) Isopropyl Acetate	6.349	43	105829	18.806	ug/l	93
44) Trichloroethene	7.135	130	44647	18.687	ug/l	99
45) 1,2-Dichloropropane	7.440	63	42426	18.553	ug/l	98
46) Dibromomethane	7.586	93	31804	19.792	ug/l	95
47) Bromodichloromethane	7.830	83	58128	19.920	ug/l	95
48) Methyl methacrylate	7.696	41	51236	18.731	ug/l	88
49) 1,4-Dioxane	7.665	88	24421	414.803	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	347460	95.953	ug/l	91
52) Toluene	8.720	92	105600	18.920	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	65775	19.835	ug/l	100
54) cis-1,3-Dichloropropene	8.373	75	67995	19.317	ug/l #	89
55) 1,1,2-Trichloroethane	9.159	97	44753	19.296	ug/l	95
56) Ethyl methacrylate	9.122	69	68939	19.148	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	73249	19.157	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	175118	92.614	ug/l	98
59) 2-Hexanone	9.433	43	275392	98.613	ug/l	88
60) Dibromochloromethane	9.525	129	45087	20.072	ug/l	98
61) 1,2-Dibromoethane	9.616	107	47212	19.355	ug/l	99
64) Tetrachloroethene	9.281	164	45536	19.563	ug/l	97
65) Chlorobenzene	10.086	112	115046	18.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	45244	20.799	ug/l	99
67) Ethyl Benzene	10.195	91	206961	19.546	ug/l	100
68) m/p-Xylenes	10.305	106	158063	39.195	ug/l	97
69) o-Xylene	10.647	106	77363	19.472	ug/l	96
70) Styrene	10.659	104	128258	19.809	ug/l	97
71) Bromoform	10.805	173	33317	21.390	ug/l #	99
73) Isopropylbenzene	10.964	105	208101	19.478	ug/l	99
74) N-amyl acetate	10.848	43	89296	18.518	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.214	83	69785	19.704	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	67012m	20.306	ug/l	
77) Bromobenzene	11.201	156	52067	19.649	ug/l	96
78) n-propylbenzene	11.305	91	234705	19.265	ug/l	100
79) 2-Chlorotoluene	11.366	91	146345	19.772	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	178056	20.258	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.025	75	21179	18.978	ug/l	88
82) 4-Chlorotoluene	11.457	91	165948	19.789	ug/l	99
83) tert-Butylbenzene	11.720	119	170776	19.935	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	175018	19.911	ug/l	99
85) sec-Butylbenzene	11.896	105	216675	20.135	ug/l	99
86) p-Isopropyltoluene	12.012	119	181122	20.414	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	94347	19.658	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	92264	19.319	ug/l	96
89) n-Butylbenzene	12.335	91	152553	19.377	ug/l	98
90) Hexachloroethane	12.543	117	27762	20.228	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	92374	19.819	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15265	20.821	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	54754	19.633	ug/l	96
94) Hexachlorobutadiene	13.725	225	26626	21.123	ug/l	99
95) Naphthalene	13.780	128	181719	19.957	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	53428	19.233	ug/l	97

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

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