

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020423\
 Data File : VX034010.D
 Acq On : 03 Feb 2023 15:09
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:20:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 22:11:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	166490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	8188	4.752	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	9.500%#		
35) Dibromofluoromethane	5.385	113	7268	5.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.040%#		
50) Toluene-d8	8.647	98	26614	5.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.160%#		
62) 4-Bromofluorobenzene	11.079	95	9000	4.667	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.340%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6201	4.660	ug/l	99
3) Chloromethane	1.295	50	6084	4.294	ug/l	92
4) Vinyl Chloride	1.374	62	6328	4.623	ug/l	93
5) Bromomethane	1.612	94	3431	4.330	ug/l	97
6) Chloroethane	1.685	64	3474	4.081	ug/l	91
7) Trichlorofluoromethane	1.886	101	10237	4.528	ug/l	99
8) Diethyl Ether	2.130	74	3524	4.638	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	6905	4.567	ug/l	93
10) Methyl Iodide	2.453	142	8836	4.449	ug/l	94
11) Tert butyl alcohol	2.959	59	5752	19.885	ug/l #	96
12) 1,1-Dichloroethene	2.325	96	6733	4.730	ug/l	86
13) Acrolein	2.233	56	7313	24.651	ug/l	94
14) Allyl chloride	2.666	41	10255	3.956	ug/l	93
15) Acrylonitrile	3.062	53	18040	22.889	ug/l	97
16) Acetone	2.380	43	17048	21.630	ug/l	91
17) Carbon Disulfide	2.514	76	15596	4.206	ug/l	96
18) Methyl Acetate	2.703	43	9378	3.897	ug/l	92
19) Methyl tert-butyl Ether	3.105	73	20184	4.349	ug/l	98
20) Methylene Chloride	2.788	84	7634	4.523	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	7280	4.626	ug/l	97
22) Diisopropyl ether	3.764	45	21862	4.353	ug/l	88
23) Vinyl Acetate	3.721	43	81247	21.461	ug/l	97
24) 1,1-Dichloroethane	3.611	63	12139	4.376	ug/l	98
25) 2-Butanone	4.556	43	24481	21.914	ug/l	96
26) 2,2-Dichloropropane	4.477	77	8561	4.293	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	8235	4.565	ug/l	96
28) Bromochloromethane	4.898	49	5370	4.286	ug/l #	90
29) Tetrahydrofuran	5.007	42	15710	22.275	ug/l	97
30) Chloroform	5.093	83	13378	4.697	ug/l	87
31) Cyclohexane	5.464	56	11814	4.670	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	10581	4.347	ug/l	99
36) 1,1-Dichloropropene	5.696	75	9561	4.558	ug/l	98
37) Ethyl Acetate	4.715	43	8692	3.824	ug/l	97
38) Carbon Tetrachloride	5.678	117	10154	4.673	ug/l	95
39) Methylcyclohexane	7.379	83	12274	4.724	ug/l	95
40) Benzene	6.038	78	28884	4.733	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	5197	4.575	ug/l #	94
42) 1,2-Dichloroethane	6.092	62	9686	4.509	ug/l	98
43) Isopropyl Acetate	6.336	43	13964	4.265	ug/l	98
44) Trichloroethene	7.123	130	8836	5.110	ug/l	89
45) 1,2-Dichloropropane	7.428	63	7006	4.597	ug/l	91
46) Dibromomethane	7.586	93	4857	4.540	ug/l	91
47) Bromodichloromethane	7.824	83	9231	4.496	ug/l #	99
48) Methyl methacrylate	7.696	41	7159	4.351	ug/l	94
49) 1,4-Dioxane	7.684	88	2825	79.745	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	45363	22.664	ug/l	99
52) Toluene	8.720	92	18622	4.732	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	8274	4.033	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	9996	4.339	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	7258	4.640	ug/l	98
56) Ethyl methacrylate	9.116	69	9532	4.351	ug/l	97
57) 1,3-Dichloropropane	9.311	76	12308	4.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	23756	22.188	ug/l	98
59) 2-Hexanone	9.433	43	32202	23.132	ug/l	99
60) Dibromochloromethane	9.519	129	7522	4.628	ug/l	98
61) 1,2-Dibromoethane	9.610	107	7815	5.024	ug/l	98
64) Tetrachloroethene	9.275	164	8514	5.418	ug/l	96
65) Chlorobenzene	10.080	112	20795	4.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	7340	4.734	ug/l	97
67) Ethyl Benzene	10.195	91	34238	4.779	ug/l	97
68) m/p-Xylenes	10.299	106	27281	9.709	ug/l	99
69) o-Xylene	10.640	106	13576	4.892	ug/l	100
70) Styrene	10.653	104	21438	4.753	ug/l	99
71) Bromoform	10.799	173	5601	4.326	ug/l #	100
73) Isopropylbenzene	10.964	105	34322	4.576	ug/l	99
74) N-amyl acetate	10.842	43	10362	3.904	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10410	4.630	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	9032m	4.789	ug/l	
77) Bromobenzene	11.195	156	9335	4.591	ug/l	97
78) n-propylbenzene	11.305	91	36786	4.404	ug/l	98
79) 2-Chlorotoluene	11.366	91	23007	4.526	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	28480	4.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2228	3.666	ug/l	91
82) 4-Chlorotoluene	11.457	91	26038	4.512	ug/l	98
83) tert-Butylbenzene	11.713	119	28861	4.718	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	27928	4.785	ug/l	98
85) sec-Butylbenzene	11.890	105	34714	4.743	ug/l	99
86) p-Isopropyltoluene	12.006	119	29731	4.737	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	17333	4.979	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	17475	4.934	ug/l	95
89) n-Butylbenzene	12.335	91	22602	4.427	ug/l	99
90) Hexachloroethane	12.536	117	4240	4.144	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	16619	4.936	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1731	4.126	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	10760	4.728	ug/l	97
94) Hexachlorobutadiene	13.725	225	5458	4.905	ug/l	98
95) Naphthalene	13.774	128	29911	4.581	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	11225	4.921	ug/l	97

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

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