

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010423\
 Data File : VX033611.D
 Acq On : 04 Jan 2023 11:26
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2023
 Supervised By : Mahesh Dadoda 01/05/2023

Quant Time: Jan 05 04:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:12:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	178443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	11540	5.729	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.460%#		
35) Dibromofluoromethane	5.391	113	9612	5.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.120%#		
50) Toluene-d8	8.646	98	32670	5.284	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.560%#		
62) 4-Bromofluorobenzene	11.079	95	11946	5.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6478	4.550	ug/l	97
3) Chloromethane	1.294	50	9628	5.316	ug/l	97
4) Vinyl Chloride	1.373	62	8404	5.231	ug/l #	82
5) Bromomethane	1.617	94	5079	5.654	ug/l	94
6) Chloroethane	1.690	64	5011	5.413	ug/l #	86
7) Trichlorofluoromethane	1.886	101	12386	5.450	ug/l	100
8) Diethyl Ether	2.135	74	4071	5.695	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	8207	6.828	ug/l	98
10) Methyl Iodide	2.452	142	10041	4.842	ug/l	99
11) Tert butyl alcohol	3.007	59	8387m	25.394	ug/l	
12) 1,1-Dichloroethene	2.318	96	7714	6.890	ug/l	98
13) Acrolein	2.245	56	7848	35.983	ug/l	97
14) Allyl chloride	2.666	41	14166	5.089	ug/l	97
15) Acrylonitrile	3.068	53	23743	26.526	ug/l	100
16) Acetone	2.398	43	22313	28.726	ug/l	99
17) Carbon Disulfide	2.513	76	18787	5.108	ug/l	97
18) Methyl Acetate	2.709	43	14362	5.144	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	27426	5.235	ug/l	99
20) Methylene Chloride	2.788	84	10692	5.310	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	8971	5.449	ug/l #	86
22) Diisopropyl ether	3.757	45	29599	5.277	ug/l #	82
23) Vinyl Acetate	3.721	43	108863	25.274	ug/l	99
24) 1,1-Dichloroethane	3.611	63	16111	5.309	ug/l	98
25) 2-Butanone	4.574	43	33893	25.785	ug/l	93
26) 2,2-Dichloropropane	4.483	77	10401	4.957	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	9912	5.190	ug/l	97
28) Bromochloromethane	4.897	49	6813	5.526	ug/l #	98
29) Tetrahydrofuran	5.019	42	22202	26.614	ug/l	99
30) Chloroform	5.092	83	16182	5.219	ug/l	88
31) Cyclohexane	5.470	56	14331	5.111	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	13655	5.094	ug/l	98
36) 1,1-Dichloropropene	5.696	75	11988	5.116	ug/l	99
37) Ethyl Acetate	4.720	43	14212	4.920	ug/l	99
38) Carbon Tetrachloride	5.678	117	12542	5.057	ug/l	96
39) Methylcyclohexane	7.378	83	14476	4.948	ug/l	98
40) Benzene	6.037	78	36051	5.264	ug/l	99

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7062	4.960	ug/l	96
42) 1,2-Dichloroethane	6.092	62	13571	5.316	ug/l	99
43) Isopropyl Acetate	6.342	43	19661	4.907	ug/l	98
44) Trichloroethene	7.128	130	10087	5.161	ug/l	98
45) 1,2-Dichloropropane	7.433	63	9007	5.105	ug/l	96
46) Dibromomethane	7.586	93	6419	5.197	ug/l	96
47) Bromodichloromethane	7.823	83	11743	4.907	ug/l	94
48) Methyl methacrylate	7.695	41	10335	5.096	ug/l	97
49) 1,4-Dioxane	7.720	88	4708m	109.141	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	66629	26.275	ug/l	98
52) Toluene	8.714	92	23175	5.147	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	10826	4.532	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	11984	4.524	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	9115	5.168	ug/l	99
56) Ethyl methacrylate	9.116	69	12687	4.818	ug/l	94
57) 1,3-Dichloropropane	9.311	76	15910	5.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	34595	25.829	ug/l	98
59) 2-Hexanone	9.433	43	48537	25.910	ug/l	98
60) Dibromochloromethane	9.518	129	9076	4.704	ug/l	100
61) 1,2-Dibromoethane	9.610	107	9314	4.993	ug/l	98
64) Tetrachloroethene	9.274	164	8847	5.095	ug/l	96
65) Chlorobenzene	10.079	112	24636	5.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	9103	5.043	ug/l	96
67) Ethyl Benzene	10.195	91	43932	5.212	ug/l	97
68) m/p-Xylenes	10.299	106	33207	10.095	ug/l	96
69) o-Xylene	10.640	106	16953	5.198	ug/l	96
70) Styrene	10.658	104	27618	5.155	ug/l	100
71) Bromoform	10.799	173	6872	4.755	ug/l #	98
73) Isopropylbenzene	10.963	105	43879	6.151	ug/l	98
74) N-amyl acetate	10.841	43	15807	5.468	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	13827	6.219	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	10933m	5.908	ug/l	
77) Bromobenzene	11.201	156	11457	6.067	ug/l	98
78) n-propylbenzene	11.305	91	49199	6.083	ug/l	96
79) 2-Chlorotoluene	11.366	91	29908	6.157	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	35663	6.072	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	3047	4.997	ug/l	85
82) 4-Chlorotoluene	11.457	91	34060	6.065	ug/l	97
83) tert-Butylbenzene	11.713	119	36505	5.957	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	35890	6.090	ug/l	96
85) sec-Butylbenzene	11.890	105	36632	5.060	ug/l	98
86) p-Isopropyltoluene	12.012	119	30142	4.872	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	17076	5.024	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	15130	4.551	ug/l	93
89) n-Butylbenzene	12.329	91	23393	4.522	ug/l	97
90) Hexachloroethane	12.536	117	4162	4.170	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	15456	4.759	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1695	4.100	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	8557	4.379	ug/l	99
94) Hexachlorobutadiene	13.725	225	4477	4.512	ug/l	98
95) Naphthalene	13.774	128	26037	4.294	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	9002	4.540	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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