

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040722\
 Data File : VX028007.D
 Acq On : 07 Apr 2022 13:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

Quant Time: Apr 07 15:24:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 15:23:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	64546	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	115933	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	6827	7.996	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	16.000%	#	
35) Dibromofluoromethane	5.385	113	4152	5.227	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.460%	#	
50) Toluene-d8	8.653	98	14909	5.166	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.340%	#	
62) 4-Bromofluorobenzene	11.085	95	5905	5.161	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	10.320%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	4948	6.569	ug/l	98
3) Chloromethane	1.288	50	3971	6.212	ug/l	98
4) Vinyl Chloride	1.374	62	4065	5.982	ug/l	94
5) Bromomethane	1.599	94	2289	8.227	ug/l	88
6) Chloroethane	1.679	64	2867	7.002	ug/l	98
7) Trichlorofluoromethane	1.886	101	7191	6.655	ug/l	89
8) Diethyl Ether	2.136	74	2363	6.503	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	3822	5.859	ug/l	91
10) Methyl Iodide	2.453	142	3548	4.502	ug/l	# 88
11) Tert butyl alcohol	2.965	59	5070	33.260	ug/l	99
12) 1,1-Dichloroethene	2.319	96	3789	6.137	ug/l	87
13) Acrolein	2.233	56	5197	36.901	ug/l	92
14) Allyl chloride	2.660	41	6308	6.518	ug/l	# 83
15) Acrylonitrile	3.062	53	11719	32.266	ug/l	97
16) Acetone	2.380	43	11343	35.919	ug/l	91
17) Carbon Disulfide	2.508	76	8864	5.382	ug/l	99
18) Methyl Acetate	2.709	43	5685	6.986	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	12865	6.234	ug/l	92
20) Methylene Chloride	2.788	84	4161	6.066	ug/l	# 84
21) trans-1,2-Dichloroethene	3.093	96	3653	5.354	ug/l	92
22) Diisopropyl ether	3.763	45	12801	6.662	ug/l	# 82
23) Vinyl Acetate	3.721	43	56079	33.539	ug/l	# 91
24) 1,1-Dichloroethane	3.617	63	7375	6.394	ug/l	96
25) 2-Butanone	4.556	43	17826	34.801	ug/l	# 88
26) 2,2-Dichloropropane	4.477	77	5452	6.055	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	4068	5.188	ug/l	78
28) Bromochloromethane	4.904	49	3178	6.902	ug/l	# 80
29) Tetrahydrofuran	5.013	42	11414	34.668	ug/l	# 84
30) Chloroform	5.099	83	7822	6.167	ug/l	96
31) Cyclohexane	5.464	56	6712	6.227	ug/l	# 80
32) 1,1,1-Trichloroethane	5.391	97	6656	5.848	ug/l	# 93
36) 1,1-Dichloropropene	5.690	75	5759	5.475	ug/l	96
37) Ethyl Acetate	4.708	43	6763	6.202	ug/l	# 91
38) Carbon Tetrachloride	5.678	117	5517	4.735	ug/l	90
39) Methylcyclohexane	7.385	83	6606	5.083	ug/l	# 85
40) Benzene	6.037	78	15972	5.335	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	3490	6.049	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	7273	6.477	ug/l	90
43) Isopropyl Acetate	6.342	43	9552	5.634	ug/l #	89
44) Trichloroethene	7.129	130	4716	5.332	ug/l	89
45) 1,2-Dichloropropane	7.440	63	3738	5.124	ug/l	100
46) Dibromomethane	7.580	93	3043	5.157	ug/l	97
47) Bromodichloromethane	7.824	83	5188	4.762	ug/l #	98
48) Methyl methacrylate	7.696	41	4288	5.233	ug/l #	83
49) 1,4-Dioxane	7.665	88	2123	101.423	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	33816	30.483	ug/l #	85
52) Toluene	8.720	92	9220	4.660	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	4997	4.529	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	5619	4.661	ug/l #	76
55) 1,1,2-Trichloroethane	9.153	97	4106	5.057	ug/l	93
56) Ethyl methacrylate	9.116	69	5941	4.936	ug/l #	66
57) 1,3-Dichloropropane	9.311	76	6846	5.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	15608	26.479	ug/l	93
59) 2-Hexanone	9.433	43	26325	30.650	ug/l	79
60) Dibromochloromethane	9.525	129	3513	4.021	ug/l	98
61) 1,2-Dibromoethane	9.610	107	4027	4.671	ug/l	97
64) Tetrachloroethene	9.275	164	3835	4.913	ug/l	95
65) Chlorobenzene	10.079	112	9966	4.774	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	3369	4.371	ug/l	98
67) Ethyl Benzene	10.195	91	18306	5.035	ug/l	98
68) m/p-Xylenes	10.305	106	13427	9.486	ug/l	81
69) o-Xylene	10.646	106	6685	4.877	ug/l	86
70) Styrene	10.659	104	10636	4.650	ug/l #	86
71) Bromoform	10.805	173	2444	3.966	ug/l #	100
73) Isopropylbenzene	10.963	105	17756	5.395	ug/l	97
74) N-amyl acetate	10.848	43	7557	6.382	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	6708	6.184	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	5866m	6.013	ug/l	
77) Bromobenzene	11.201	156	4217	4.967	ug/l	83
78) n-propylbenzene	11.305	91	20887	5.550	ug/l	97
79) 2-Chlorotoluene	11.366	91	13570	5.712	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	15609	5.516	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.018	75	1343	4.380	ug/l #	54
82) 4-Chlorotoluene	11.457	91	16207	5.987	ug/l	92
83) tert-Butylbenzene	11.713	119	14393	5.092	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	14896	5.206	ug/l	94
85) sec-Butylbenzene	11.890	105	18342	5.292	ug/l	94
86) p-Isopropyltoluene	12.012	119	14465	4.931	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	7741	4.864	ug/l	93
88) 1,4-Dichlorobenzene	12.042	146	7863	4.902	ug/l	89
89) n-Butylbenzene	12.335	91	12667	5.066	ug/l	96
90) Hexachloroethane	12.536	117	1922	4.137	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	7797	5.032	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1471	5.721	ug/l	65
93) 1,2,4-Trichlorobenzene	13.591	180	4288	4.330	ug/l	96
94) Hexachlorobutadiene	13.725	225	1983	4.181	ug/l	97
95) Naphthalene	13.774	128	14941	4.594	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	4352	4.487	ug/l	97

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

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