

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022322\
 Data File : VX027136.D
 Acq On : 23 Feb 2022 11:05
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 23 12:36:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 12:34:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	89417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	5407	4.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	9.980%#		
35) Dibromofluoromethane	5.397	113	4327	4.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.940%#		
50) Toluene-d8	8.653	98	16356	5.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.200%#		
62) 4-Bromofluorobenzene	11.085	95	6028	5.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.460%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	4874	5.086	ug/l	99
3) Chloromethane	1.294	50	4428	4.923	ug/l	99
4) Vinyl Chloride	1.380	62	4331	4.640	ug/l	97
5) Bromomethane	1.599	94	1802	4.564	ug/l	95
6) Chloroethane	1.685	64	2687	5.413	ug/l	92
7) Trichlorofluoromethane	1.886	101	6562	4.755	ug/l	97
8) Diethyl Ether	2.136	74	2298	4.495	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	4500	4.913	ug/l	95
10) Methyl Iodide	2.453	142	4891	4.118	ug/l	94
11) Tert butyl alcohol	2.965	59	4982	25.074	ug/l	97
12) 1,1-Dichloroethene	2.325	96	4523	4.951	ug/l	88
13) Acrolein	2.239	56	5274	29.013	ug/l	97
14) Allyl chloride	2.666	41	7442	4.598	ug/l	96
15) Acrylonitrile	3.068	53	13835	24.794	ug/l	98
16) Acetone	2.379	43	12050	25.371	ug/l	95
17) Carbon Disulfide	2.514	76	11219	4.390	ug/l	99
18) Methyl Acetate	2.709	43	6277	4.637	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	15229	4.709	ug/l	98
20) Methylene Chloride	2.794	84	4922	4.800	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	4640	4.818	ug/l	97
22) Diisopropyl ether	3.763	45	15082	4.643	ug/l	92
23) Vinyl Acetate	3.727	43	60400	22.102	ug/l	97
24) 1,1-Dichloroethane	3.611	63	8400	4.757	ug/l	97
25) 2-Butanone	4.568	43	19145	25.048	ug/l	97
26) 2,2-Dichloropropane	4.483	77	5590	4.639	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	5470	4.935	ug/l	94
28) Bromochloromethane	4.903	49	3304	4.513	ug/l #	90
29) Tetrahydrofuran	5.013	42	12883	24.853	ug/l	97
30) Chloroform	5.105	83	8736	4.747	ug/l	93
31) Cyclohexane	5.476	56	8185	4.817	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	7393	4.576	ug/l	98
36) 1,1-Dichloropropene	5.702	75	6610	4.896	ug/l	99
37) Ethyl Acetate	4.714	43	6824	4.481	ug/l	98
38) Carbon Tetrachloride	5.678	117	6449	4.552	ug/l	97
39) Methylcyclohexane	7.385	83	8192	4.953	ug/l	98
40) Benzene	6.043	78	19346	4.918	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	3642	4.406	ug/l	95
42) 1,2-Dichloroethane	6.092	62	6763	4.885	ug/l	96
43) Isopropyl Acetate	6.348	43	10552	4.507	ug/l	97
44) Trichloroethene	7.135	130	5756	4.882	ug/l	93
45) 1,2-Dichloropropane	7.433	63	4515	4.543	ug/l	98
46) Dibromomethane	7.586	93	3413	4.940	ug/l	96
47) Bromodichloromethane	7.824	83	6139	4.660	ug/l	98
48) Methyl methacrylate	7.696	41	5154	4.433	ug/l	96
49) 1,4-Dioxane	7.665	88	2497	119.204	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	36440	25.261	ug/l	99
52) Toluene	8.720	92	12342	4.931	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	5408	4.199	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	6541	4.480	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	4823	5.065	ug/l	96
56) Ethyl methacrylate	9.122	69	6981	4.625	ug/l	94
57) 1,3-Dichloropropane	9.311	76	8045	4.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	16771	22.147	ug/l	97
59) 2-Hexanone	9.433	43	26934	25.323	ug/l	97
60) Dibromochloromethane	9.525	129	4663	4.758	ug/l	99
61) 1,2-Dibromoethane	9.610	107	4986	4.941	ug/l	98
64) Tetrachloroethene	9.275	164	5856	4.645	ug/l	96
65) Chlorobenzene	10.079	112	13115	4.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4548	4.678	ug/l	98
67) Ethyl Benzene	10.195	91	23436	5.008	ug/l	99
68) m/p-Xylenes	10.305	106	17971	9.932	ug/l	96
69) o-Xylene	10.646	106	8854	4.988	ug/l	96
70) Styrene	10.658	104	14222	4.919	ug/l	98
71) Bromoform	10.805	173	3140	4.585	ug/l #	100
73) Isopropylbenzene	10.963	105	23182	4.827	ug/l	99
74) N-amyl acetate	10.847	43	7742	4.042	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	6834	5.146	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	6469m	4.820	ug/l	
77) Bromobenzene	11.201	156	5902	5.115	ug/l	90
78) n-propylbenzene	11.305	91	25068	4.688	ug/l	98
79) 2-Chlorotoluene	11.366	91	16244	4.902	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	19429	4.882	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1443	3.697	ug/l	84
82) 4-Chlorotoluene	11.457	91	17967	4.835	ug/l	96
83) tert-Butylbenzene	11.719	119	18536	4.867	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	18629	4.637	ug/l	95
85) sec-Butylbenzene	11.890	105	23053	4.784	ug/l	98
86) p-Isopropyltoluene	12.012	119	19583	4.796	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	10680	5.023	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	10725	5.001	ug/l	93
89) n-Butylbenzene	12.335	91	15896	4.738	ug/l	100
90) Hexachloroethane	12.542	117	2691	4.506	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	10570	5.159	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1343	4.176	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	6202	4.790	ug/l	97
94) Hexachlorobutadiene	13.725	225	2514	4.605	ug/l	96
95) Naphthalene	13.780	128	20869	4.624	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6280	4.796	ug/l	100

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

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