

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040522\
 Data File : VX027978.D
 Acq On : 05 Apr 2022 13:49
 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 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 05 15:00:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 05 14:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	79930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	4773	4.809	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.620%#		
35) Dibromofluoromethane	5.385	113	4339	5.499	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.000%#		
50) Toluene-d8	8.653	98	15301	5.482	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.960%#		
62) 4-Bromofluorobenzene	11.079	95	5825	4.991	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	4191	5.798	ug/l	93
3) Chloromethane	1.295	50	3734	5.789	ug/l	96
4) Vinyl Chloride	1.374	62	3916	5.897	ug/l	96
5) Bromomethane	1.599	94	1715	5.701	ug/l	96
6) Chloroethane	1.679	64	2473	5.605	ug/l	92
7) Trichlorofluoromethane	1.886	101	6249	5.427	ug/l	99
8) Diethyl Ether	2.136	74	2164	5.314	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	3951	5.322	ug/l	98
10) Methyl Iodide	2.453	142	3788	4.294	ug/l	96
11) Tert butyl alcohol	2.971	59	4097	21.523	ug/l	100
12) 1,1-Dichloroethene	2.319	96	3375	4.862	ug/l	97
13) Acrolein	2.233	56	3970	27.157	ug/l	97
14) Allyl chloride	2.666	41	5302	4.321	ug/l	91
15) Acrylonitrile	3.069	53	10402	23.160	ug/l	98
16) Acetone	2.380	43	8930	20.524	ug/l	92
17) Carbon Disulfide	2.514	76	9024	6.063	ug/l #	94
18) Methyl Acetate	2.709	43	4691	4.329	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	11289	4.448	ug/l	95
20) Methylene Chloride	2.788	84	4076	5.004	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	3992	5.331	ug/l #	91
22) Diisopropyl ether	3.764	45	10267	4.131	ug/l #	83
23) Vinyl Acetate	3.721	43	44550	20.680	ug/l	98
24) 1,1-Dichloroethane	3.611	63	6510	4.613	ug/l	97
25) 2-Butanone	4.556	43	14163	21.602	ug/l	92
26) 2,2-Dichloropropane	4.477	77	4851	4.316	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	4524	5.046	ug/l	99
28) Bromochloromethane	4.910	49	2550	4.219	ug/l #	80
29) Tetrahydrofuran	5.007	42	9013	21.351	ug/l	94
30) Chloroform	5.099	83	7078	4.527	ug/l	95
31) Cyclohexane	5.465	56	5917	5.114	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	6413	4.709	ug/l	98
36) 1,1-Dichloropropene	5.702	75	5158	5.140	ug/l	99
37) Ethyl Acetate	4.721	43	5250	4.281	ug/l	98
38) Carbon Tetrachloride	5.678	117	5750	5.194	ug/l	97
39) Methylcyclohexane	7.385	83	6648	5.575	ug/l	95
40) Benzene	6.038	78	15075	5.010	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	2530	3.905	ug/l	94
42) 1,2-Dichloroethane	6.092	62	5522	4.744	ug/l	85
43) Isopropyl Acetate	6.342	43	7896	4.199	ug/l	97
44) Trichloroethene	7.129	130	4385	5.255	ug/l	76
45) 1,2-Dichloropropane	7.434	63	3439	4.347	ug/l	97
46) Dibromomethane	7.586	93	3013	4.993	ug/l	97
47) Bromodichloromethane	7.824	83	5334	4.483	ug/l	97
48) Methyl methacrylate	7.696	41	3861	3.903	ug/l	90
49) 1,4-Dioxane	7.659	88	2127	104.166	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	27055	20.625	ug/l	95
52) Toluene	8.720	92	10409	5.445	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	4914	4.123	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	5734	4.537	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	4046	4.822	ug/l	94
56) Ethyl methacrylate	9.116	69	5644	4.330	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	6489	4.659	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	13322	20.624	ug/l	94
59) 2-Hexanone	9.433	43	20656	20.416	ug/l	92
60) Dibromochloromethane	9.525	129	4171	4.773	ug/l	99
61) 1,2-Dibromoethane	9.610	107	4270	4.860	ug/l	94
64) Tetrachloroethene	9.275	164	4716	6.133	ug/l	93
65) Chlorobenzene	10.080	112	11629	5.289	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	4078	4.988	ug/l	99
67) Ethyl Benzene	10.195	91	19120	4.838	ug/l	94
68) m/p-Xylenes	10.305	106	15456	10.503	ug/l	100
69) o-Xylene	10.647	106	7544	5.279	ug/l	98
70) Styrene	10.659	104	12385	5.079	ug/l	96
71) Bromoform	10.805	173	3171	5.321	ug/l #	94
73) Isopropylbenzene	10.964	105	19688	4.785	ug/l	100
74) N-amyl acetate	10.842	43	6328	3.566	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	6495	4.701	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	5910m	4.646	ug/l	
77) Bromobenzene	11.201	156	5036	5.289	ug/l	98
78) n-propylbenzene	11.305	91	21745	4.434	ug/l	99
79) 2-Chlorotoluene	11.366	91	14492	4.722	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	16827	4.712	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.025	75	1499	3.852	ug/l #	86
82) 4-Chlorotoluene	11.457	91	16257	4.617	ug/l	98
83) tert-Butylbenzene	11.713	119	16585	4.782	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	17028	4.779	ug/l	97
85) sec-Butylbenzene	11.890	105	20369	4.776	ug/l	100
86) p-Isopropyltoluene	12.012	119	16522	4.633	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	9505	5.070	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	9262	4.799	ug/l	89
89) n-Butylbenzene	12.335	91	14019	4.415	ug/l	97
90) Hexachloroethane	12.543	117	2543	4.435	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	9170	4.959	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1382	4.188	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	5789	5.048	ug/l	98
94) Hexachlorobutadiene	13.725	225	2855	5.340	ug/l	94
95) Naphthalene	13.780	128	18369	4.665	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	5586	5.010	ug/l	93

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

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