

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031156.D
 Acq On : 07 Sep 2022 13:24
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 07 22:59:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 22:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	58719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	93231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60882	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140858	101.322	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.640%#			
35) Dibromofluoromethane	5.391	113	107291	105.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.200%#			
50) Toluene-d8	8.653	98	383877	103.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 208.000%#			
62) 4-Bromofluorobenzene	11.079	95	142286	105.185	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 210.380%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	80871	85.701	ug/l	99
3) Chloromethane	1.288	50	61407	84.685	ug/l	99
4) Vinyl Chloride	1.374	62	73752	86.160	ug/l	100
5) Bromomethane	1.611	94	46833	85.632	ug/l	94
6) Chloroethane	1.685	64	44145	91.934	ug/l	98
7) Trichlorofluoromethane	1.880	101	161260	86.456	ug/l	94
8) Diethyl Ether	2.136	74	48185	90.952	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	92005	87.227	ug/l	99
10) Methyl Iodide	2.453	142	124467	95.431	ug/l	# 87
11) Tert butyl alcohol	3.001	59	114588m	378.673	ug/l	
12) 1,1-Dichloroethene	2.319	96	86617	87.369	ug/l	92
13) Acrolein	2.239	56	83854	434.311	ug/l	99
14) Allyl chloride	2.666	41	121145	90.963	ug/l	# 81
15) Acrylonitrile	3.069	53	232998	440.155	ug/l	96
16) Acetone	2.392	43	204281	424.387	ug/l	92
17) Carbon Disulfide	2.508	76	228111	93.588	ug/l	99
18) Methyl Acetate	2.709	43	110056	88.319	ug/l	# 87
19) Methyl tert-butyl Ether	3.117	73	326220	92.643	ug/l	93
20) Methylene Chloride	2.788	84	98498	87.063	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	97182	88.470	ug/l	98
22) Diisopropyl ether	3.764	45	246166	88.023	ug/l	# 92
23) Vinyl Acetate	3.727	43	1084102	461.834	ug/l	# 93
24) 1,1-Dichloroethane	3.611	63	169173	91.200	ug/l	99
25) 2-Butanone	4.568	43	305394	428.323	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	154204	92.899	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	111992	88.801	ug/l	98
28) Bromochloromethane	4.904	49	64382	95.718	ug/l	# 78
29) Tetrahydrofuran	5.013	42	189189	449.429	ug/l	# 80
30) Chloroform	5.099	83	193275	95.908	ug/l	98
31) Cyclohexane	5.477	56	134817	86.782	ug/l	84
32) 1,1,1-Trichloroethane	5.385	97	181379	91.715	ug/l	97
36) 1,1-Dichloropropene	5.696	75	140561	92.384	ug/l	96
37) Ethyl Acetate	4.721	43	124512	92.248	ug/l	96
38) Carbon Tetrachloride	5.678	117	159713	106.325	ug/l	99
39) Methylcyclohexane	7.385	83	164037	94.399	ug/l	92
40) Benzene	6.037	78	377018	91.217	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68696	103.578	ug/l	94
42) 1,2-Dichloroethane	6.092	62	158940	93.924	ug/l	96
43) Isopropyl Acetate	6.342	43	203427	95.591	ug/l #	96
44) Trichloroethene	7.129	130	105722	90.997	ug/l	95
45) 1,2-Dichloropropane	7.434	63	90995	89.584	ug/l	98
46) Dibromomethane	7.586	93	75216	93.383	ug/l	97
47) Bromodichloromethane	7.824	83	156072	99.612	ug/l	96
48) Methyl methacrylate	7.696	41	97600	94.182	ug/l	85
49) 1,4-Dioxane	7.702	88	50452	1763.581	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	586759	450.269	ug/l	91
52) Toluene	8.720	92	252778	92.725	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	170874	104.688	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	176340	100.632	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	103750	92.568	ug/l	96
56) Ethyl methacrylate	9.116	69	160006	96.900	ug/l	92
57) 1,3-Dichloropropane	9.311	76	177200	91.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	359115	461.446	ug/l	92
59) 2-Hexanone	9.433	43	448978	455.602	ug/l	92
60) Dibromochloromethane	9.525	129	119272	103.220	ug/l	100
61) 1,2-Dibromoethane	9.610	107	115730	92.917	ug/l	98
64) Tetrachloroethene	9.275	164	93414	90.154	ug/l	92
65) Chlorobenzene	10.079	112	266918	91.082	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	107054	93.525	ug/l	96
67) Ethyl Benzene	10.195	91	501394	94.413	ug/l	97
68) m/p-Xylenes	10.305	106	371257	188.586	ug/l	90
69) o-Xylene	10.646	106	182242	92.755	ug/l	89
70) Styrene	10.659	104	302133	95.894	ug/l	93
71) Bromoform	10.799	173	78858	103.399	ug/l #	99
73) Isopropylbenzene	10.963	105	488322	92.367	ug/l	97
74) N-amyl acetate	10.848	43	158819	94.359	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	144564	87.597	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	159901m	84.451	ug/l	
77) Bromobenzene	11.201	156	106060	92.305	ug/l	95
78) n-propylbenzene	11.305	91	564862	93.733	ug/l	98
79) 2-Chlorotoluene	11.366	91	340021	91.072	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	413132	92.952	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	50367	97.756	ug/l	93
82) 4-Chlorotoluene	11.457	91	394051	91.224	ug/l	93
83) tert-Butylbenzene	11.719	119	400952	91.512	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	410394	94.980	ug/l	95
85) sec-Butylbenzene	11.890	105	509164	93.831	ug/l	98
86) p-Isopropyltoluene	12.012	119	423616	96.632	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	200573	93.923	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	200630	93.210	ug/l	98
89) n-Butylbenzene	12.335	91	373838	98.907	ug/l	98
90) Hexachloroethane	12.542	117	76241	101.219	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	189827	90.643	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	41200	90.899	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	122540	100.061	ug/l	96
94) Hexachlorobutadiene	13.725	225	48858	93.951	ug/l	98
95) Naphthalene	13.774	128	463847	96.687	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	123657	99.177	ug/l	98

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

