

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031884.D
 Acq On : 05 Oct 2022 10:34
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 05 11:46:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 05 11:38:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193708	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	19983	9.120	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.240%	#	
35) Dibromofluoromethane	5.391	113	19273	9.134	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.260%	#	
50) Toluene-d8	8.647	98	69042	9.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.300%	#	
62) 4-Bromofluorobenzene	11.079	95	25358	9.329	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	18.660%	#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15709	9.936	ug/l	99
3) Chloromethane	1.288	50	13280	8.012	ug/l	98
4) Vinyl Chloride	1.374	62	16895	8.002	ug/l	96
5) Bromomethane	1.611	94	15058	9.107	ug/l	97
6) Chloroethane	1.685	64	13025	6.163	ug/l	99
7) Trichlorofluoromethane	1.886	101	35100	8.146	ug/l	98
8) Diethyl Ether	2.130	74	11756	8.374	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	16566	8.900	ug/l	# 84
10) Methyl Iodide	2.453	142	14404	8.244	ug/l	98
11) Tert butyl alcohol	2.983	59	14380m	47.140	ug/l	
12) 1,1-Dichloroethene	2.319	96	14802	8.661	ug/l	# 78
13) Acrolein	2.239	56	8461	46.849	ug/l	96
14) Allyl chloride	2.666	41	16669	7.641	ug/l	# 94
15) Acrylonitrile	3.062	53	35017	43.946	ug/l	98
16) Acetone	2.386	43	27707	44.230	ug/l	90
17) Carbon Disulfide	2.508	76	29508	6.260	ug/l	99
18) Methyl Acetate	2.703	43	18552	9.052	ug/l	# 87
19) Methyl tert-butyl Ether	3.117	73	47609	8.557	ug/l	96
20) Methylene Chloride	2.788	84	16996	8.867	ug/l	# 82
21) trans-1,2-Dichloroethene	3.093	96	16684	8.327	ug/l	86
22) Diisopropyl ether	3.757	45	38993	8.429	ug/l	# 76
23) Vinyl Acetate	3.721	43	143106	41.356	ug/l	# 84
24) 1,1-Dichloroethane	3.605	63	25857	8.317	ug/l	97
25) 2-Butanone	4.562	43	43783	43.548	ug/l	# 84
26) 2,2-Dichloropropane	4.477	77	18907	7.124	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	20333	8.728	ug/l	80
28) Bromochloromethane	4.897	49	10961	8.724	ug/l	# 45
29) Tetrahydrofuran	5.013	42	27570	44.413	ug/l	# 76
30) Chloroform	5.093	83	32510	8.741	ug/l	92
31) Cyclohexane	5.471	56	21666	8.303	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	27819	7.882	ug/l	94
36) 1,1-Dichloropropene	5.690	75	22069	8.435	ug/l	94
37) Ethyl Acetate	4.721	43	16442	8.302	ug/l	# 93
38) Carbon Tetrachloride	5.672	117	25480	7.845	ug/l	99
39) Methylcyclohexane	7.379	83	27811	8.664	ug/l	# 84
40) Benzene	6.037	78	66257	8.766	ug/l	95

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41) Methacrylonitrile	4.928	41	9333	8.672	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	22917	8.655	ug/l	94
43) Isopropyl Acetate	6.342	43	26229	8.191	ug/l #	90
44) Trichloroethene	7.129	130	22324	9.142	ug/l	70
45) 1,2-Dichloropropane	7.434	63	15376	8.683	ug/l	95
46) Dibromomethane	7.580	93	13385	9.069	ug/l #	84
47) Bromodichloromethane	7.824	83	22409	7.586	ug/l	98
48) Methyl methacrylate	7.696	41	12737	8.888	ug/l #	85
49) 1,4-Dioxane	7.696	88	9257	199.304	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	90263	44.904	ug/l	88
52) Toluene	8.720	92	47043	8.878	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	19022	6.753	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	22395	7.256	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	19761	9.356	ug/l	94
56) Ethyl methacrylate	9.116	69	22341	9.148	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	29528	9.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	61216	48.644	ug/l #	80
59) 2-Hexanone	9.433	43	67162	45.959	ug/l	89
60) Dibromochloromethane	9.519	129	18713	7.298	ug/l	99
61) 1,2-Dibromoethane	9.610	107	20796	8.867	ug/l	99
64) Tetrachloroethene	9.275	164	23686	9.781	ug/l	94
65) Chlorobenzene	10.079	112	54947	9.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	19075	8.437	ug/l	99
67) Ethyl Benzene	10.195	91	87978	9.100	ug/l	95
68) m/p-Xylenes	10.299	106	73626	18.446	ug/l	93
69) o-Xylene	10.646	106	35963	9.352	ug/l	92
70) Styrene	10.653	104	57454	9.192	ug/l	94
71) Bromoform	10.799	173	12649	6.653	ug/l #	100
73) Isopropylbenzene	10.963	105	93924	9.432	ug/l	99
74) N-amyl acetate	10.848	43	21219	9.098	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	26164	9.231	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	22437m	8.748	ug/l	
77) Bromobenzene	11.201	156	24902	9.481	ug/l	83
78) n-propylbenzene	11.305	91	100781	9.260	ug/l	95
79) 2-Chlorotoluene	11.366	91	60946	9.268	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	78813	9.478	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	4545	6.083	ug/l #	81
82) 4-Chlorotoluene	11.457	91	69244	9.122	ug/l	93
83) tert-Butylbenzene	11.713	119	78552	9.346	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	79917	9.657	ug/l	97
85) sec-Butylbenzene	11.890	105	96385	9.526	ug/l	97
86) p-Isopropyltoluene	12.012	119	82873	9.386	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	46570	9.397	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	47526	9.182	ug/l	97
89) n-Butylbenzene	12.335	91	61864	8.870	ug/l	97
90) Hexachloroethane	12.536	117	10550	6.623	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	47896	9.651	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4513	7.572	ug/l	63
93) 1,2,4-Trichlorobenzene	13.591	180	29198	9.613	ug/l	96
94) Hexachlorobutadiene	13.725	225	11656	9.326	ug/l	98
95) Naphthalene	13.774	128	95649	10.109	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30008	10.188	ug/l	96

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

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