

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110723\
 Data File : VX038632.D
 Acq On : 07 Nov 2023 14:22
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 08 03:04:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 01:38:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	324802	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	498212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	474632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82601	20.427	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	40.860%	#	
35) Dibromofluoromethane	5.385	113	72041	20.077	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.160%	#	
50) Toluene-d8	8.647	98	260830	20.313	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.620%	#	
62) 4-Bromofluorobenzene	11.079	95	99062	19.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.800%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	67904	20.132	ug/l	99
3) Chloromethane	1.301	50	55198	18.933	ug/l	97
4) Vinyl Chloride	1.374	62	60920	19.628	ug/l	99
5) Bromomethane	1.605	94	53886	22.494	ug/l	99
6) Chloroethane	1.691	64	38735	19.711	ug/l	99
7) Trichlorofluoromethane	1.892	101	104110	19.457	ug/l	99
8) Diethyl Ether	2.136	74	35906	19.548	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	60540	19.135	ug/l	90
10) Methyl Iodide	2.453	142	72727	18.613	ug/l	92
11) Tert butyl alcohol	2.953	59	72810	88.080	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	58128	19.177	ug/l	# 80
13) Acrolein	2.233	56	58794	93.842	ug/l	99
14) Allyl chloride	2.666	41	81501	18.772	ug/l	# 93
15) Acrylonitrile	3.062	53	168033	96.320	ug/l	99
16) Acetone	2.380	43	160791	94.417	ug/l	90
17) Carbon Disulfide	2.514	76	156697	19.455	ug/l	99
18) Methyl Acetate	2.703	43	141012	19.435	ug/l	# 89
19) Methyl tert-butyl Ether	3.117	73	188067	19.402	ug/l	98
20) Methylene Chloride	2.788	84	66324	19.319	ug/l	# 85
21) trans-1,2-Dichloroethene	3.093	96	63953	19.379	ug/l	85
22) Diisopropyl ether	3.764	45	160241	19.583	ug/l	# 85
23) Vinyl Acetate	3.721	43	572420	98.557	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	104156	19.239	ug/l	97
25) 2-Butanone	4.556	43	235866	95.609	ug/l	# 89
26) 2,2-Dichloropropane	4.483	77	90360	19.116	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	73760	19.356	ug/l	85
28) Bromochloromethane	4.897	49	51384	21.120	ug/l	# 61
29) Tetrahydrofuran	5.007	42	148284	96.608	ug/l	# 83
30) Chloroform	5.099	83	120997	19.049	ug/l	99
31) Cyclohexane	5.471	56	84900	18.971	ug/l	# 84
32) 1,1,1-Trichloroethane	5.385	97	107515	19.233	ug/l	96
36) 1,1-Dichloropropene	5.696	75	83909	18.825	ug/l	94
37) Ethyl Acetate	4.715	43	86988	19.115	ug/l	# 94
38) Carbon Tetrachloride	5.678	117	95232	19.112	ug/l	97
39) Methylcyclohexane	7.385	83	103788	18.624	ug/l	90
40) Benzene	6.037	78	248504	19.356	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43816	18.898	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	91833	19.824	ug/l	96
43) Isopropyl Acetate	6.342	43	131709	18.825	ug/l #	92
44) Trichloroethene	7.129	130	75607	18.928	ug/l	92
45) 1,2-Dichloropropane	7.434	63	60076	19.357	ug/l	97
46) Dibromomethane	7.580	93	50269	19.368	ug/l #	87
47) Bromodichloromethane	7.824	83	91604	18.767	ug/l	96
48) Methyl methacrylate	7.696	41	65355	19.383	ug/l #	86
49) 1,4-Dioxane	7.659	88	27751	361.538	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	452155	99.191	ug/l	94
52) Toluene	8.720	92	164568	19.568	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	94302	18.976	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	100678	19.191	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	70333	19.710	ug/l	96
56) Ethyl methacrylate	9.116	69	95823	19.193	ug/l	89
57) 1,3-Dichloropropane	9.311	76	108728	19.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	246288	100.332	ug/l	92
59) 2-Hexanone	9.427	43	358430	97.178	ug/l	92
60) Dibromochloromethane	9.519	129	75754	18.911	ug/l	100
61) 1,2-Dibromoethane	9.610	107	78057	19.463	ug/l	98
64) Tetrachloroethene	9.275	164	68316	19.229	ug/l	92
65) Chlorobenzene	10.079	112	187389	19.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	69268	19.071	ug/l	99
67) Ethyl Benzene	10.195	91	318753	19.503	ug/l	98
68) m/p-Xylenes	10.299	106	254950	39.305	ug/l	95
69) o-Xylene	10.640	106	121322	19.233	ug/l	97
70) Styrene	10.653	104	203835	19.580	ug/l	96
71) Bromoform	10.799	173	59962	18.704	ug/l #	100
73) Isopropylbenzene	10.963	105	325098	19.812	ug/l	97
74) N-amyl acetate	10.842	43	111562	19.567	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	111139	19.591	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	100854m	19.039	ug/l	
77) Bromobenzene	11.201	156	87643	19.461	ug/l	81
78) n-propylbenzene	11.305	91	378514	19.822	ug/l	98
79) 2-Chlorotoluene	11.366	91	224071	19.600	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	278968	19.753	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30278	19.478	ug/l	90
82) 4-Chlorotoluene	11.457	91	263272	19.712	ug/l	93
83) tert-Butylbenzene	11.713	119	278622	19.470	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	280498	20.025	ug/l	97
85) sec-Butylbenzene	11.890	105	349984	19.600	ug/l	98
86) p-Isopropyltoluene	12.012	119	299150	19.666	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	165524	19.224	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	168926	19.087	ug/l	97
89) n-Butylbenzene	12.335	91	258757	19.116	ug/l	96
90) Hexachloroethane	12.536	117	48038	18.644	ug/l	78
91) 1,2-Dichlorobenzene	12.335	146	161548	19.212	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27515	19.298	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	112267	18.666	ug/l	98
94) Hexachlorobutadiene	13.725	225	47529	18.314	ug/l	99
95) Naphthalene	13.774	128	354518	19.541	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	112306	18.944	ug/l	98

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

