

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037649.D
 Acq On : 11 Sep 2023 18:37
 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 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 08:53:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	177830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	318262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	286167	99.462	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 198.920%#			
35) Dibromofluoromethane	5.391	113	231221	102.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.000%#			
50) Toluene-d8	8.652	98	861985	101.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 202.640%#			
62) 4-Bromofluorobenzene	11.079	95	309187	100.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 201.460%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	178475	93.869	ug/l	98
3) Chloromethane	1.300	50	188819	84.673	ug/l	97
4) Vinyl Chloride	1.373	62	222158	90.522	ug/l	99
5) Bromomethane	1.599	94	199203	95.606	ug/l	100
6) Chloroethane	1.672	64	156630	93.625	ug/l	98
7) Trichlorofluoromethane	1.879	101	392063	95.590	ug/l	100
8) Diethyl Ether	2.135	74	161010	95.723	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.324	101	172690	93.800	ug/l	99
10) Methyl Iodide	2.446	142	218576	99.877	ug/l	95
11) Tert butyl alcohol	2.977	59	286119	490.864	ug/l #	91
12) 1,1-Dichloroethene	2.312	96	171877	95.033	ug/l	90
13) Acrolein	2.239	56	221627	473.049	ug/l	100
14) Allyl chloride	2.660	41	312377	97.062	ug/l #	96
15) Acrylonitrile	3.068	53	641198	473.871	ug/l	99
16) Acetone	2.385	43	530976	446.431	ug/l	91
17) Carbon Disulfide	2.507	76	439395	94.246	ug/l	100
18) Methyl Acetate	2.702	43	479677	96.227	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	730737	100.087	ug/l	99
20) Methylene Chloride	2.788	84	222452	100.183	ug/l	92
21) trans-1,2-Dichloroethene	3.086	96	207831	96.904	ug/l	93
22) Diisopropyl ether	3.763	45	705674	100.459	ug/l	86
23) Vinyl Acetate	3.727	43	2692003	522.337	ug/l	96
24) 1,1-Dichloroethane	3.611	63	401347	97.661	ug/l	99
25) 2-Butanone	4.562	43	903665	473.214	ug/l	92
26) 2,2-Dichloropropane	4.476	77	295537	103.860	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	256162	99.881	ug/l	92
28) Bromochloromethane	4.897	49	197703	94.874	ug/l	89
29) Tetrahydrofuran	5.007	42	604684	492.334	ug/l	91
30) Chloroform	5.098	83	442978	99.419	ug/l	99
31) Cyclohexane	5.470	56	323305	97.584	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	380676	101.718	ug/l	99
36) 1,1-Dichloropropene	5.690	75	300052	96.452	ug/l	98
37) Ethyl Acetate	4.714	43	362205	100.802	ug/l	98
38) Carbon Tetrachloride	5.677	117	317468	102.179	ug/l	97
39) Methylcyclohexane	7.378	83	360703	98.580	ug/l	96
40) Benzene	6.037	78	935586	98.907	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	191666	100.555	ug/l	91
42) 1,2-Dichloroethane	6.086	62	358210	97.725	ug/l	98
43) Isopropyl Acetate	6.342	43	581876	102.598	ug/l	97
44) Trichloroethene	7.128	130	232053	100.514	ug/l	99
45) 1,2-Dichloropropane	7.433	63	246837	99.448	ug/l	98
46) Dibromomethane	7.579	93	181154	100.038	ug/l	98
47) Bromodichloromethane	7.823	83	349120	107.567	ug/l	97
48) Methyl methacrylate	7.695	41	278881	100.684	ug/l	88
49) 1,4-Dioxane	7.665	88	129273	1873.758	ug/l #	89
51) 4-Methyl-2-Pentanone	8.579	43	1804359	482.530	ug/l	95
52) Toluene	8.720	92	601183	100.442	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	374480	114.373	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	395587	110.572	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	256389	99.619	ug/l	94
56) Ethyl methacrylate	9.116	69	406472	105.091	ug/l	93
57) 1,3-Dichloropropane	9.311	76	419529	97.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1000781	536.096	ug/l	99
59) 2-Hexanone	9.433	43	1400028	488.117	ug/l	93
60) Dibromochloromethane	9.524	129	274331	109.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	277694	102.322	ug/l	99
64) Tetrachloroethene	9.274	164	194572	99.369	ug/l	99
65) Chlorobenzene	10.079	112	640548	97.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	242071	105.260	ug/l	98
67) Ethyl Benzene	10.195	91	1165372	99.447	ug/l	100
68) m/p-Xylenes	10.305	106	898640	201.258	ug/l	98
69) o-Xylene	10.646	106	449135	101.440	ug/l	98
70) Styrene	10.658	104	748191	102.426	ug/l	97
71) Bromoform	10.798	173	198560	112.948	ug/l #	100
73) Isopropylbenzene	10.963	105	1146669	98.108	ug/l	98
74) N-amyl acetate	10.841	43	527517	102.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	422798	95.409	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	324458m	94.100	ug/l	
77) Bromobenzene	11.201	156	276546	98.590	ug/l	93
78) n-propylbenzene	11.304	91	1331563	98.710	ug/l	99
79) 2-Chlorotoluene	11.365	91	795258	95.862	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	987959	100.064	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	128488	114.388	ug/l	89
82) 4-Chlorotoluene	11.457	91	927129	98.193	ug/l	98
83) tert-Butylbenzene	11.713	119	985992	100.155	ug/l	95
84) 1,2,4-Trimethylbenzene	11.749	105	990705	99.907	ug/l	98
85) sec-Butylbenzene	11.890	105	1215755	99.637	ug/l	100
86) p-Isopropyltoluene	12.012	119	1019690	101.482	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	517514	97.104	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	526229	96.488	ug/l	98
89) n-Butylbenzene	12.335	91	928825	103.262	ug/l	98
90) Hexachloroethane	12.542	117	181932	107.096	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	524129	96.712	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	96334	103.506	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	330460	104.981	ug/l	97
94) Hexachlorobutadiene	13.725	225	132682	97.255	ug/l	99
95) Naphthalene	13.773	128	1204527	105.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	336135	103.552	ug/l	98

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

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