

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052623\
 Data File : VX035887.D
 Acq On : 26 May 2023 16:40
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: May 29 07:21:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:19:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/30/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	201173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	354875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	144097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	21558	6.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.060%#		
35) Dibromofluoromethane	5.379	113	13507	5.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.080%#		
50) Toluene-d8	8.647	98	50458	5.640	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.280%#		
62) 4-Bromofluorobenzene	11.079	95	18043	5.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.240%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	14917	5.576	ug/l	99
3) Chloromethane	1.294	50	15557	5.640	ug/l	98
4) Vinyl Chloride	1.374	62	14857	5.607	ug/l	96
5) Bromomethane	1.618	94	8791	5.536	ug/l	98
6) Chloroethane	1.685	64	8087	5.462	ug/l #	84
7) Trichlorofluoromethane	1.886	101	22105	5.559	ug/l	94
8) Diethyl Ether	2.136	74	8248	5.648	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	13140	5.575	ug/l	99
10) Methyl Iodide	2.447	142	10614	4.439	ug/l	97
11) Tert butyl alcohol	3.008	59	16453m	26.441	ug/l	
12) 1,1-Dichloroethene	2.319	96	11999	5.432	ug/l	95
13) Acrolein	2.239	56	18186	29.458	ug/l	99
14) Allyl chloride	2.660	41	22486	5.152	ug/l	98
15) Acrylonitrile	3.069	53	39190	27.520	ug/l	96
16) Acetone	2.392	43	41127	28.496	ug/l	96
17) Carbon Disulfide	2.508	76	23987	4.688	ug/l	98
18) Methyl Acetate	2.703	43	30458	5.466	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	46798	5.495	ug/l	97
20) Methylene Chloride	2.788	84	18026	6.123	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	12721	5.224	ug/l	95
22) Diisopropyl ether	3.751	45	48817	5.570	ug/l #	75
23) Vinyl Acetate	3.721	43	161746	26.495	ug/l	99
24) 1,1-Dichloroethane	3.605	63	26371	5.453	ug/l	98
25) 2-Butanone	4.568	43	56128	26.886	ug/l	97
26) 2,2-Dichloropropane	4.477	77	18922	5.074	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	15405	5.438	ug/l	99
28) Bromochloromethane	4.898	49	12821	5.471	ug/l	99
29) Tetrahydrofuran	5.013	42	37234	27.567	ug/l	98
30) Chloroform	5.093	83	27779	5.599	ug/l	100
31) Cyclohexane	5.471	56	23657	5.571	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	22664	5.287	ug/l	98
36) 1,1-Dichloropropene	5.690	75	20431	5.520	ug/l	98
37) Ethyl Acetate	4.715	43	20997	5.240	ug/l	98
38) Carbon Tetrachloride	5.678	117	17633	5.054	ug/l	98
39) Methylcyclohexane	7.379	83	22917	5.426	ug/l	96
40) Benzene	6.038	78	57716	5.567	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	12018	5.269	ug/l	97
42) 1,2-Dichloroethane	6.086	62	24850	5.675	ug/l	98
43) Isopropyl Acetate	6.342	43	33814	5.266	ug/l	99
44) Trichloroethene	7.129	130	13884	5.376	ug/l	96
45) 1,2-Dichloropropane	7.428	63	14885	5.444	ug/l	91
46) Dibromomethane	7.580	93	10241	5.455	ug/l	97
47) Bromodichloromethane	7.824	83	17205	4.917	ug/l	95
48) Methyl methacrylate	7.696	41	16813	5.101	ug/l	97
49) 1,4-Dioxane	7.720	88	7448	105.889	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	110958	27.760	ug/l	99
52) Toluene	8.720	92	35375	5.433	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	16083	4.451	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	18850	4.779	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	14070	5.451	ug/l	97
56) Ethyl methacrylate	9.116	69	21065	5.183	ug/l	97
57) 1,3-Dichloropropane	9.305	76	25032	5.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	58581	27.242	ug/l	100
59) 2-Hexanone	9.433	43	83772	27.729	ug/l	95
60) Dibromochloromethane	9.519	129	10823	4.582	ug/l	95
61) 1,2-Dibromoethane	9.610	107	14144	5.203	ug/l	98
64) Tetrachloroethene	9.275	164	11916	5.578	ug/l	96
65) Chlorobenzene	10.079	112	37044	5.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	12034	5.221	ug/l	100
67) Ethyl Benzene	10.195	91	68060	5.460	ug/l	96
68) m/p-Xylenes	10.299	106	51139	11.088	ug/l	98
69) o-Xylene	10.640	106	25372	5.538	ug/l	98
70) Styrene	10.653	104	40269	5.350	ug/l	97
71) Bromoform	10.799	173	6556	4.399	ug/l #	97
73) Isopropylbenzene	10.963	105	66400	5.682	ug/l	100
74) N-amyl acetate	10.842	43	27070	5.326	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	21406	5.604	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19842m	5.518	ug/l	
77) Bromobenzene	11.201	156	14785	5.609	ug/l	96
78) n-propylbenzene	11.305	91	75197	5.521	ug/l	100
79) 2-Chlorotoluene	11.366	91	48205	5.582	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	56889	5.713	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	3766	9.334	ug/l #	72
82) 4-Chlorotoluene	11.451	91	55734	5.672	ug/l	98
83) tert-Butylbenzene	11.713	119	52639	5.507	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	56312	5.647	ug/l	99
85) sec-Butylbenzene	11.890	105	64053	5.362	ug/l	100
86) p-Isopropyltoluene	12.006	119	54746	5.481	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	28464	5.657	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	28795	5.552	ug/l	94
89) n-Butylbenzene	12.329	91	45714	5.207	ug/l	99
90) Hexachloroethane	12.536	117	6589	4.560	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	27879	5.610	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3885	4.860	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	15373	5.261	ug/l	98
94) Hexachlorobutadiene	13.725	225	5946	5.075	ug/l	96
95) Naphthalene	13.774	128	52096	5.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	15188	5.216	ug/l	99

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

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