

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045069.D
 Acq On : 28 Feb 2025 02:13
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 28 05:32:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#		
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#		
50) Toluene-d8	8.647	98	24037	5.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l	96
3) Chloromethane	1.307	50	8819	4.896	ug/l	99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l	94
5) Bromomethane	1.593	94	3620	6.582	ug/l	96
6) Chloroethane	1.660	64	4517	6.746	ug/l	91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l	95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l	98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l	95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l	
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l	94
13) Acrolein	2.233	56	8725	27.725	ug/l	97
14) Allyl chloride	2.654	41	11244	4.527	ug/l	96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l	99
16) Acetone	2.386	43	19512	29.891	ug/l	97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l	99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l	95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l	94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l #	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l	98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l	99
25) 2-Butanone	4.574	43	29277	27.819	ug/l	99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l	97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l #	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l	99
30) Chloroform	5.093	83	13390	5.159	ug/l	96
31) Cyclohexane	5.464	56	10968	4.504	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l #	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l	98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l	95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l	97
40) Benzene	6.037	78	28339	4.966	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l	95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l	98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l	99
44) Trichloroethene	7.129	130	6827	5.234	ug/l	99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l	95
46) Dibromomethane	7.586	93	5146	5.195	ug/l	97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l	99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l	95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l	99
52) Toluene	8.720	92	16933	4.997	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l	97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l	98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l	99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l	99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l	98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l	95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l	93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l	96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l	98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l	97
69) o-Xylene	10.640	106	11881	4.914	ug/l	95
70) Styrene	10.659	104	18278	4.704	ug/l	99
71) Bromoform	10.799	173	4027	4.541	ug/l #	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l	98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l	
77) Bromobenzene	11.195	156	6970	5.163	ug/l	96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l	99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l #	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l	98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l	99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l	99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l	96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l	99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l	97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l	97
95) Naphthalene	13.780	128	22927	4.287	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l	98

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

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