

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044649.D
 Acq On : 15 Jan 2025 11:17
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.440%#		
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.180%#		
50) Toluene-d8	8.647	98	45425	5.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.460%#		
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l	96
3) Chloromethane	1.301	50	13859	4.893	ug/l	99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l	97
5) Bromomethane	1.593	94	3303	4.943	ug/l	98
6) Chloroethane	1.660	64	2387	4.652	ug/l #	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l	95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l	99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l	99
11) Tert butyl alcohol	2.989	59	20543m	31.009	ug/l	
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l	91
13) Acrolein	2.239	56	11045	35.838	ug/l	95
14) Allyl chloride	2.654	41	21748	4.901	ug/l	97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l	98
16) Acetone	2.386	43	26927	23.167	ug/l	97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l	97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l	100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l	98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l	92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l	99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l	98
25) 2-Butanone	4.568	43	43210	25.004	ug/l	96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l	97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l	100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l	98
30) Chloroform	5.086	83	23860	5.169	ug/l	93
31) Cyclohexane	5.458	56	18252	4.934	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l	99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l	94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l	95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l	92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l	95
40) Benzene	6.038	78	49235	5.023	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.124	ug/l	98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l	97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l	99
44) Trichloroethene	7.123	130	11427	4.849	ug/l	97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l	97
46) Dibromomethane	7.580	93	9684	5.156	ug/l	94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l	94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l	97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l	98
52) Toluene	8.714	92	30892	5.149	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l	99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l	96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l	100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l	100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l	99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l	97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l	93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l	98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l	98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l	99
69) o-Xylene	10.640	106	21392	5.124	ug/l	96
70) Styrene	10.653	104	34407	5.105	ug/l	98
71) Bromoform	10.799	173	9452	5.012	ug/l #	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l	100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	16903m	5.796	ug/l	
77) Bromobenzene	11.201	156	12158	5.156	ug/l	96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l	99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l	95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l	99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l	99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l	99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	20555	5.062	ug/l	93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l	98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l	99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l	99
95) Naphthalene	13.774	128	46418	4.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l	96

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

