

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044650.D
 Acq On : 15 Jan 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Jan 16 00:59:59 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	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.620%#		
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.340%#		
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	62614m	96.990	ug/l	
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36180	19.016	ug/l	98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l	99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l	99
44) Trichloroethene	7.117	130	45597	19.689	ug/l	94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l	100
46) Dibromomethane	7.580	93	35056	18.991	ug/l	98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l	94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l	99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l	99
52) Toluene	8.714	92	119410	20.253	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l	97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l	98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l	99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l	99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l	99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l	99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l	96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l	99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l	99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l	100
69) o-Xylene	10.640	106	84280	19.840	ug/l	99
70) Styrene	10.653	104	138465	20.189	ug/l	99
71) Bromoform	10.799	173	36839	19.198	ug/l #	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l	99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	61409m	19.870	ug/l	
77) Bromobenzene	11.195	156	48555	19.432	ug/l	100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l	98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l	100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l	99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l	100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.536	ug/l	100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l	99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l	98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l	99
95) Naphthalene	13.774	128	198769	19.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l	99

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

