

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
 Data File : VX044597.D
 Acq On : 07 Jan 2025 10:29
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jan 08 02:27:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 02:18:40 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	188117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	328814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	281481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	17286	5.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.400%#		
35) Dibromofluoromethane	5.391	113	11648	5.166	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.340%#		
50) Toluene-d8	8.647	98	39205	5.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.180%#		
62) 4-Bromofluorobenzene	11.079	95	13290	4.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13312	4.891	ug/l	98
3) Chloromethane	1.294	50	14940	5.508	ug/l	90
4) Vinyl Chloride	1.374	62	13242	5.204	ug/l	92
5) Bromomethane	1.599	94	7148	5.423	ug/l	98
6) Chloroethane	1.666	64	6970	5.160	ug/l	89
7) Trichlorofluoromethane	1.874	101	19516	5.151	ug/l	99
8) Diethyl Ether	2.130	74	6099	4.556	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	11029	5.077	ug/l	95
10) Methyl Iodide	2.447	142	15781	5.210	ug/l	91
11) Tert butyl alcohol	3.001	59	10600	28.381	ug/l	99
12) 1,1-Dichloroethene	2.312	96	11046	5.249	ug/l	86
13) Acrolein	2.233	56	12556	25.426	ug/l	99
14) Allyl chloride	2.660	41	17002	4.858	ug/l	92
15) Acrylonitrile	3.068	53	28298	26.307	ug/l	100
16) Acetone	2.380	43	20234	21.165	ug/l	93
17) Carbon Disulfide	2.501	76	19658	4.517	ug/l	99
18) Methyl Acetate	2.703	43	15024	5.325	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	37226	5.162	ug/l	99
20) Methylene Chloride	2.788	84	12356	5.066	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	10897	5.045	ug/l	97
22) Diisopropyl ether	3.757	45	39202	5.449	ug/l #	83
23) Vinyl Acetate	3.721	43	144231	24.790	ug/l	100
24) 1,1-Dichloroethane	3.605	63	22208	5.297	ug/l	99
25) 2-Butanone	4.562	43	36925	26.760	ug/l	95
26) 2,2-Dichloropropane	4.458	77	18007	4.968	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	14357	5.451	ug/l	91
28) Bromochloromethane	4.891	49	10190	5.222	ug/l #	15
29) Tetrahydrofuran	5.007	42	25119	26.583	ug/l	99
30) Chloroform	5.086	83	24763	5.479	ug/l	100
31) Cyclohexane	5.464	56	17152	4.983	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	19887	5.229	ug/l	97
36) 1,1-Dichloropropene	5.684	75	15012	5.149	ug/l #	82
37) Ethyl Acetate	4.721	43	14899	4.999	ug/l	98
38) Carbon Tetrachloride	5.666	117	15014	4.641	ug/l	98
39) Methylcyclohexane	7.373	83	18627	5.007	ug/l	96
40) Benzene	6.031	78	47650	5.191	ug/l	99

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41) Methacrylonitrile	4.934	41	8340	5.209	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	19283	5.371	ug/l	100
43) Isopropyl Acetate	6.336	43	24971	5.075	ug/l	98
44) Trichloroethene	7.123	130	11966	5.099	ug/l	91
45) 1,2-Dichloropropane	7.434	63	11185	4.997	ug/l	98
46) Dibromomethane	7.586	93	8827	5.071	ug/l	96
47) Bromodichloromethane	7.818	83	15524	4.901	ug/l	98
48) Methyl methacrylate	7.696	41	11428	4.870	ug/l	95
49) 1,4-Dioxane	7.677	88	3337	96.762	ug/l #	76
51) 4-Methyl-2-Pentanone	8.574	43	74867	26.029	ug/l	98
52) Toluene	8.720	92	28506	5.147	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	13689	4.521	ug/l #	87
54) cis-1,3-Dichloropropene	8.366	75	15789	4.640	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	11331	5.218	ug/l	97
56) Ethyl methacrylate	9.122	69	14973	4.741	ug/l	97
57) 1,3-Dichloropropane	9.305	76	19219	5.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	37113	23.707	ug/l	100
59) 2-Hexanone	9.433	43	51047	25.095	ug/l	98
60) Dibromochloromethane	9.518	129	10022	4.629	ug/l	97
61) 1,2-Dibromoethane	9.610	107	11169	5.093	ug/l	96
64) Tetrachloroethene	9.269	164	10421	5.236	ug/l	90
65) Chlorobenzene	10.079	112	30656	5.132	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	9592	4.834	ug/l	96
67) Ethyl Benzene	10.195	91	52173	5.086	ug/l	97
68) m/p-Xylenes	10.299	106	38109	10.109	ug/l	97
69) o-Xylene	10.640	106	18309	4.812	ug/l	96
70) Styrene	10.659	104	28881	4.745	ug/l	100
71) Bromoform	10.799	173	5635	4.960	ug/l #	98
73) Isopropylbenzene	10.963	105	46634	5.131	ug/l	98
74) N-amyl acetate	10.848	43	18861	5.114	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	16194	5.528	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	12940m	5.262	ug/l	
77) Bromobenzene	11.201	156	11951	5.413	ug/l	94
78) n-propylbenzene	11.305	91	53610	5.237	ug/l	99
79) 2-Chlorotoluene	11.366	91	35356	5.330	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	40862	5.422	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	3211	3.975	ug/l #	82
82) 4-Chlorotoluene	11.457	91	39535	5.298	ug/l	95
83) tert-Butylbenzene	11.713	119	39571	5.274	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	37556	4.961	ug/l	97
85) sec-Butylbenzene	11.890	105	47269	5.173	ug/l	99
86) p-Isopropyltoluene	12.006	119	38691	5.046	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	20352	5.096	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	21839	5.248	ug/l	95
89) n-Butylbenzene	12.329	91	30630	4.731	ug/l	98
90) Hexachloroethane	12.536	117	5241	4.255	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	20848	5.165	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2550	4.591	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	11030	4.650	ug/l	97
94) Hexachlorobutadiene	13.725	225	4946	5.007	ug/l	95
95) Naphthalene	13.774	128	34693	4.533	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	11316	4.667	ug/l	98

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

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