

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044952.D
 Acq On : 14 Feb 2025 11:40
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:12:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	103875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77707	51.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.200%			
35) Dibromofluoromethane	5.379	113	60838	50.582	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	8.647	98	226624	49.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	81007	52.833	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27927	19.169	ug/l	99
3) Chloromethane	1.301	50	32990	18.605	ug/l	96
4) Vinyl Chloride	1.374	62	30252	17.611	ug/l	100
5) Bromomethane	1.593	94	11122	21.636	ug/l	97
6) Chloroethane	1.666	64	16528	22.848	ug/l	100
7) Trichlorofluoromethane	1.874	101	42055	19.359	ug/l	98
8) Diethyl Ether	2.130	74	15615	19.820	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	26009	19.816	ug/l	99
10) Methyl Iodide	2.447	142	32276	18.974	ug/l	97
11) Tert butyl alcohol	2.971	59	29076	103.075	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24273	18.130	ug/l	97
13) Acrolein	2.233	56	31135	106.978	ug/l	98
14) Allyl chloride	2.660	41	45037	18.613	ug/l	98
15) Acrylonitrile	3.062	53	78868	104.716	ug/l	99
16) Acetone	2.380	43	64564	105.623	ug/l	96
17) Carbon Disulfide	2.508	76	60307	16.426	ug/l	100
18) Methyl Acetate	2.697	43	41481	21.504	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	84252	19.778	ug/l	99
20) Methylene Chloride	2.782	84	28525	19.052	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	24497	18.590	ug/l	100
22) Diisopropyl ether	3.757	45	91929	20.082	ug/l	94
23) Vinyl Acetate	3.715	43	372164	99.722	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50075	19.550	ug/l	99
25) 2-Butanone	4.556	43	105945	106.736	ug/l	97
26) 2,2-Dichloropropane	4.465	77	37106	18.267	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	30448	19.237	ug/l	99
28) Bromochloromethane	4.891	49	22191	18.027	ug/l	100
29) Tetrahydrofuran	5.001	42	68840	104.445	ug/l	99
30) Chloroform	5.093	83	49641	19.984	ug/l	96
31) Cyclohexane	5.458	56	44062	18.660	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	40495	19.219	ug/l	98
36) 1,1-Dichloropropene	5.684	75	32376	18.658	ug/l	99
37) Ethyl Acetate	4.715	43	40204	20.830	ug/l	99
38) Carbon Tetrachloride	5.666	117	33498	19.700	ug/l	93
39) Methylcyclohexane	7.373	83	44129	19.671	ug/l	98
40) Benzene	6.031	78	106024	19.567	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23036	22.298	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37652	21.803	ug/l	100
43) Isopropyl Acetate	6.336	43	64357	20.648	ug/l	98
44) Trichloroethene	7.123	130	24052	19.420	ug/l	96
45) 1,2-Dichloropropane	7.427	63	26311	19.518	ug/l	99
46) Dibromomethane	7.580	93	19515	20.875	ug/l	98
47) Bromodichloromethane	7.818	83	37748	20.853	ug/l	97
48) Methyl methacrylate	7.690	41	31848	21.671	ug/l	97
49) 1,4-Dioxane	7.659	88	13982	443.448	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	219588	115.888	ug/l	97
52) Toluene	8.714	92	63830	19.780	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	35347	19.296	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	40620	19.889	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	26556	21.408	ug/l	98
56) Ethyl methacrylate	9.116	69	41272	20.600	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45713	21.061	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	99532	101.176	ug/l	99
59) 2-Hexanone	9.427	43	159284	116.671	ug/l	99
60) Dibromochloromethane	9.519	129	28129	21.203	ug/l	97
61) 1,2-Dibromoethane	9.604	107	27025	21.494	ug/l	97
64) Tetrachloroethene	9.269	164	21103	20.294	ug/l	96
65) Chlorobenzene	10.073	112	70853	20.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	22743	19.951	ug/l	98
67) Ethyl Benzene	10.189	91	122687	19.631	ug/l	100
68) m/p-Xylenes	10.299	106	92530	40.136	ug/l	99
69) o-Xylene	10.640	106	45891	19.838	ug/l	97
70) Styrene	10.652	104	77302	20.741	ug/l	99
71) Bromoform	10.799	173	18090	21.264	ug/l #	100
73) Isopropylbenzene	10.957	105	117063	18.691	ug/l	99
74) N-amyl acetate	10.841	43	55559	19.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42130	19.576	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	34055m	19.747	ug/l	
77) Bromobenzene	11.195	156	27335	19.251	ug/l	99
78) n-propylbenzene	11.299	91	138085	19.101	ug/l	100
79) 2-Chlorotoluene	11.360	91	84337	18.982	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	98051	19.292	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11059	16.496	ug/l	89
82) 4-Chlorotoluene	11.451	91	94538	19.233	ug/l	99
83) tert-Butylbenzene	11.713	119	99538	19.359	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	100112	19.957	ug/l	100
85) sec-Butylbenzene	11.890	105	126113	19.808	ug/l	99
86) p-Isopropyltoluene	12.006	119	103751	20.263	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50550	19.359	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	51205	19.395	ug/l	99
89) n-Butylbenzene	12.329	91	90481	19.975	ug/l	99
90) Hexachloroethane	12.536	117	17246	17.989	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	52530	20.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7941	20.217	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	29608	19.066	ug/l	98
94) Hexachlorobutadiene	13.725	225	12223	19.827	ug/l	98
95) Naphthalene	13.774	128	110366	19.661	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30613	19.564	ug/l	99

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

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