

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
 Data File : VX045903.D
 Acq On : 23 Apr 2025 11:32
 Operator : JC/MD
 Sample : VX0423WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 02:13:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	94601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98353	56.851	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.700%			
35) Dibromofluoromethane	5.379	113	66580	57.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.240%			
50) Toluene-d8	8.641	98	226429	56.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.300%			
62) 4-Bromofluorobenzene	11.079	95	89962	61.242	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 122.480%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26406	18.665	ug/l	98
3) Chloromethane	1.307	50	23730	16.327	ug/l	99
4) Vinyl Chloride	1.374	62	22746	17.101	ug/l	99
5) Bromomethane	1.593	94	10730	17.013	ug/l	97
6) Chloroethane	1.672	64	13623	19.304	ug/l	94
7) Trichlorofluoromethane	1.880	101	39000	19.663	ug/l	100
8) Diethyl Ether	2.130	74	13335	20.025	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	24171	20.796	ug/l	96
10) Methyl Iodide	2.447	142	27288	18.823	ug/l	98
11) Tert butyl alcohol	2.965	59	25337	108.977	ug/l	100
12) 1,1-Dichloroethene	2.313	96	21061	18.545	ug/l	96
13) Acrolein	2.233	56	30951	96.671	ug/l	99
14) Allyl chloride	2.660	41	42803	19.864	ug/l	99
15) Acrylonitrile	3.062	53	74804	101.925	ug/l	100
16) Acetone	2.380	43	70618	99.408	ug/l	97
17) Carbon Disulfide	2.508	76	40100	14.296	ug/l	99
18) Methyl Acetate	2.703	43	43400	26.535	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	86196	21.696	ug/l	100
20) Methylene Chloride	2.782	84	25995	19.546	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21356	18.406	ug/l	98
22) Diisopropyl ether	3.757	45	89952	21.192	ug/l	92
23) Vinyl Acetate	3.715	43	379123	103.377	ug/l	100
24) 1,1-Dichloroethane	3.605	63	47565	19.814	ug/l	99
25) 2-Butanone	4.556	43	108533	104.372	ug/l	99
26) 2,2-Dichloropropane	4.465	77	35561	22.928	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	27892	19.732	ug/l	96
28) Bromochloromethane	4.891	49	27487	23.695	ug/l	98
29) Tetrahydrofuran	4.995	42	66883	99.207	ug/l	99
30) Chloroform	5.080	83	51435	20.823	ug/l	98
31) Cyclohexane	5.464	56	38708	18.240	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	43216	20.677	ug/l	98
36) 1,1-Dichloropropene	5.684	75	31543	20.219	ug/l	98
37) Ethyl Acetate	4.709	43	40048	20.371	ug/l	100
38) Carbon Tetrachloride	5.666	117	36325	21.545	ug/l	98
39) Methylcyclohexane	7.373	83	38703	20.239	ug/l	97
40) Benzene	6.031	78	97461	20.456	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22865	22.043	ug/l	98
42) 1,2-Dichloroethane	6.080	62	43627	22.170	ug/l	99
43) Isopropyl Acetate	6.336	43	66301	22.251	ug/l	100
44) Trichloroethene	7.117	130	22774	20.110	ug/l	95
45) 1,2-Dichloropropane	7.428	63	24245	20.395	ug/l	97
46) Dibromomethane	7.574	93	20136	22.065	ug/l	98
47) Bromodichloromethane	7.818	83	39814	21.847	ug/l	99
48) Methyl methacrylate	7.690	41	34536	22.448	ug/l	98
49) 1,4-Dioxane	7.659	88	12190	437.940	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	220631	111.696	ug/l	100
52) Toluene	8.714	92	58691	20.358	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	33756	20.668	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	38403	22.424	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	24808	21.594	ug/l	96
56) Ethyl methacrylate	9.116	69	40657	22.867	ug/l	98
57) 1,3-Dichloropropane	9.305	76	44447	22.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	93271	103.701	ug/l	99
59) 2-Hexanone	9.427	43	162096	110.816	ug/l	100
60) Dibromochloromethane	9.519	129	28133	22.462	ug/l	98
61) 1,2-Dibromoethane	9.604	107	25746	22.138	ug/l	98
64) Tetrachloroethene	9.269	164	22044	21.624	ug/l	91
65) Chlorobenzene	10.073	112	65334	21.176	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	23225	21.682	ug/l	99
67) Ethyl Benzene	10.189	91	116482	21.080	ug/l	99
68) m/p-Xylenes	10.299	106	86039	42.810	ug/l	99
69) o-Xylene	10.640	106	42975	21.706	ug/l	99
70) Styrene	10.653	104	70938	21.709	ug/l	98
71) Bromoform	10.799	173	17554	21.948	ug/l #	97
73) Isopropylbenzene	10.957	105	113746	20.738	ug/l	99
74) N-amyl acetate	10.842	43	56235	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	40702	21.125	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34988m	20.948	ug/l	
77) Bromobenzene	11.195	156	25864	20.409	ug/l	99
78) n-propylbenzene	11.299	91	132130	20.915	ug/l	100
79) 2-Chlorotoluene	11.360	91	82046	20.314	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	95389	21.032	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9684	19.678	ug/l	96
82) 4-Chlorotoluene	11.451	91	94776	21.047	ug/l	100
83) tert-Butylbenzene	11.713	119	94792	21.110	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	96534	21.206	ug/l	99
85) sec-Butylbenzene	11.890	105	118969	21.571	ug/l	99
86) p-Isopropyltoluene	12.006	119	97966	21.546	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47638	20.651	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	47649	20.374	ug/l	96
89) n-Butylbenzene	12.329	91	85429	21.667	ug/l	99
90) Hexachloroethane	12.536	117	16781	21.475	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49354	21.519	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9165	22.745	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28380	22.230	ug/l	98
94) Hexachlorobutadiene	13.725	225	12443	22.619	ug/l	97
95) Naphthalene	13.774	128	104004	21.892	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	28835	21.570	ug/l	99

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

