

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042525\
 Data File : VX045935.D
 Acq On : 25 Apr 2025 11:32
 Operator : JC/MD
 Sample : VX0425WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2025
 Supervised By : Semsettin Yesilyurt 04/28/2025

Quant Time: Apr 25 22:58:46 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	87404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	146052	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81057	50.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.420%			
35) Dibromofluoromethane	5.379	113	56652	54.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.340%			
50) Toluene-d8	8.641	98	188962	52.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.480%			
62) 4-Bromofluorobenzene	11.079	95	73656	55.908	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22450	17.175	ug/l	100
3) Chloromethane	1.307	50	21041	15.669	ug/l	97
4) Vinyl Chloride	1.368	62	19912	16.203	ug/l	97
5) Bromomethane	1.593	94	9924	17.031	ug/l	99
6) Chloroethane	1.672	64	11365	17.431	ug/l	99
7) Trichlorofluoromethane	1.880	101	34588	18.874	ug/l	97
8) Diethyl Ether	2.130	74	11691	19.002	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	21414	19.941	ug/l	97
10) Methyl Iodide	2.447	142	23362	17.442	ug/l	97
11) Tert butyl alcohol	2.965	59	20788	96.773	ug/l	98
12) 1,1-Dichloroethene	2.313	96	18989	18.097	ug/l	96
13) Acrolein	2.233	56	28382	95.947	ug/l	99
14) Allyl chloride	2.654	41	37541	18.856	ug/l	99
15) Acrylonitrile	3.056	53	62918	92.788	ug/l	99
16) Acetone	2.380	43	64626	98.464	ug/l	97
17) Carbon Disulfide	2.502	76	35372	13.649	ug/l	99
18) Methyl Acetate	2.703	43	38069	25.192	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72681	19.801	ug/l	99
20) Methylene Chloride	2.782	84	22275	18.128	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	18923	17.652	ug/l	97
22) Diisopropyl ether	3.751	45	75522	19.257	ug/l #	80
23) Vinyl Acetate	3.715	43	318024	93.857	ug/l	100
24) 1,1-Dichloroethane	3.599	63	42120	18.991	ug/l	99
25) 2-Butanone	4.550	43	93765	97.595	ug/l	99
26) 2,2-Dichloropropane	4.465	77	32668	22.797	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	24798	18.987	ug/l	98
28) Bromochloromethane	4.891	49	23372	21.806	ug/l	96
29) Tetrahydrofuran	5.001	42	56385	90.522	ug/l	99
30) Chloroform	5.086	83	43922	19.246	ug/l	99
31) Cyclohexane	5.458	56	33874	17.276	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	37793	19.571	ug/l	100
36) 1,1-Dichloropropene	5.684	75	28354	20.265	ug/l	97
37) Ethyl Acetate	4.715	43	32779	18.591	ug/l	98
38) Carbon Tetrachloride	5.672	117	31428	20.784	ug/l	98
39) Methylcyclohexane	7.373	83	34154	19.914	ug/l	98
40) Benzene	6.031	78	84404	19.752	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19832	21.318	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37806	21.421	ug/l	98
43) Isopropyl Acetate	6.336	43	55106	20.621	ug/l	100
44) Trichloroethene	7.117	130	19725	19.421	ug/l	96
45) 1,2-Dichloropropane	7.428	63	22138	20.764	ug/l	99
46) Dibromomethane	7.574	93	16778	20.500	ug/l	95
47) Bromodichloromethane	7.818	83	34900	21.352	ug/l	98
48) Methyl methacrylate	7.690	41	27993	20.288	ug/l	99
49) 1,4-Dioxane	7.659	88	10331	413.836	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	188421	106.359	ug/l	99
52) Toluene	8.714	92	51645	19.974	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28770	19.755	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	31998	20.833	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	22063	21.413	ug/l	97
56) Ethyl methacrylate	9.116	69	33959	21.296	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37786	21.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	77298	95.825	ug/l	99
59) 2-Hexanone	9.427	43	136587	104.115	ug/l	100
60) Dibromochloromethane	9.519	129	23711	21.109	ug/l	99
61) 1,2-Dibromoethane	9.604	107	21981	21.074	ug/l	99
64) Tetrachloroethene	9.269	164	18187	19.886	ug/l	97
65) Chlorobenzene	10.073	112	56674	20.475	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20016	20.829	ug/l	100
67) Ethyl Benzene	10.189	91	101337	20.442	ug/l	99
68) m/p-Xylenes	10.299	106	75054	41.627	ug/l	100
69) o-Xylene	10.640	106	37048	20.858	ug/l	100
70) Styrene	10.653	104	61598	21.012	ug/l	99
71) Bromoform	10.799	173	14372	20.030	ug/l #	100
73) Isopropylbenzene	10.957	105	98756	20.000	ug/l	99
74) N-amyl acetate	10.842	43	46794	19.811	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34147	19.686	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29118m	19.365	ug/l	
77) Bromobenzene	11.195	156	22354	19.593	ug/l	98
78) n-propylbenzene	11.299	91	114464	20.125	ug/l	100
79) 2-Chlorotoluene	11.360	91	72043	19.814	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82789	20.276	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8009	18.077	ug/l	96
82) 4-Chlorotoluene	11.451	91	83007	20.475	ug/l	100
83) tert-Butylbenzene	11.713	119	84478	20.898	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	83814	20.451	ug/l	99
85) sec-Butylbenzene	11.890	105	104472	21.041	ug/l	100
86) p-Isopropyltoluene	12.006	119	85154	20.803	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41690	20.074	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42083	19.988	ug/l	98
89) n-Butylbenzene	12.329	91	73535	20.716	ug/l	100
90) Hexachloroethane	12.536	117	14994	21.314	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	42384	20.527	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7744	21.347	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	24267	21.114	ug/l	99
94) Hexachlorobutadiene	13.725	225	10647	21.498	ug/l	99
95) Naphthalene	13.774	128	83671	19.563	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	25062	20.825	ug/l	98

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

