

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045460.D
 Acq On : 26 Mar 2025 11:18
 Operator : JC/MD
 Sample : VX0326WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

Quant Time: Mar 27 01:33:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	86104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73660	53.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	5.379	113	53135	50.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.647	98	182631	48.337	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.680%			
62) 4-Bromofluorobenzene	11.079	95	66047	52.753	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	19532	18.021	ug/l	91
3) Chloromethane	1.307	50	20129	15.176	ug/l	92
4) Vinyl Chloride	1.374	62	20125	15.295	ug/l	98
5) Bromomethane	1.593	94	9600	18.559	ug/l	99
6) Chloroethane	1.666	64	12116	19.963	ug/l	92
7) Trichlorofluoromethane	1.874	101	31955	18.345	ug/l	99
8) Diethyl Ether	2.130	74	11324	16.621	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	21611	21.595	ug/l	99
10) Methyl Iodide	2.441	142	23647	18.908	ug/l	95
11) Tert butyl alcohol	2.977	59	20108	77.510	ug/l	97
12) 1,1-Dichloroethene	2.306	96	18823	17.790	ug/l	88
13) Acrolein	2.239	56	46057	153.580	ug/l	100
14) Allyl chloride	2.654	41	36901	19.593	ug/l	94
15) Acrylonitrile	3.062	53	69441	99.873	ug/l	98
16) Acetone	2.386	43	64578	101.624	ug/l	99
17) Carbon Disulfide	2.501	76	35933	12.751	ug/l #	95
18) Methyl Acetate	2.703	43	42606	27.871	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72115	20.316	ug/l	97
20) Methylene Chloride	2.782	84	23893	18.981	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	19581	18.733	ug/l	97
22) Diisopropyl ether	3.763	45	76469	19.964	ug/l	93
23) Vinyl Acetate	3.721	43	306103	95.765	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43058	20.059	ug/l	98
25) 2-Butanone	4.562	43	100026	104.573	ug/l	99
26) 2,2-Dichloropropane	4.471	77	28885	28.688	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	25041	19.407	ug/l	92
28) Bromochloromethane	4.891	49	21480	20.993	ug/l	97
29) Tetrahydrofuran	5.007	42	62954	98.005	ug/l	98
30) Chloroform	5.086	83	44967	21.082	ug/l	99
31) Cyclohexane	5.458	56	33852	18.167	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	26101	20.957	ug/l	97
36) 1,1-Dichloropropene	5.684	75	36571	18.591	ug/l	98
37) Ethyl Acetate	4.721	43	35014	19.012	ug/l	98
38) Carbon Tetrachloride	5.666	117	29493	20.326	ug/l	97
39) Methylcyclohexane	7.373	83	31736	18.531	ug/l	94
40) Benzene	6.031	78	86246	19.110	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22069	22.162	ug/l	97
42) 1,2-Dichloroethane	6.080	62	36284	22.326	ug/l	98
43) Isopropyl Acetate	6.342	43	54608	20.052	ug/l	98
44) Trichloroethene	7.123	130	20066	18.935	ug/l	99
45) 1,2-Dichloropropane	7.427	63	22989	19.811	ug/l	99
46) Dibromomethane	7.580	93	17121	20.875	ug/l	96
47) Bromodichloromethane	7.818	83	34556	21.480	ug/l	97
48) Methyl methacrylate	7.690	41	28268	20.690	ug/l	93
49) 1,4-Dioxane	7.665	88	10136	351.704	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	199417	109.058	ug/l	98
52) Toluene	8.714	92	52106	19.678	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27477	20.430	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	31909	20.346	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	22547	20.683	ug/l	97
56) Ethyl methacrylate	9.116	69	33792	20.393	ug/l	93
57) 1,3-Dichloropropane	9.305	76	39109	20.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	78925	97.641	ug/l	98
59) 2-Hexanone	9.427	43	142958	107.905	ug/l	96
60) Dibromochloromethane	9.519	129	24038	21.089	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22245	20.441	ug/l	99
64) Tetrachloroethene	9.269	164	17875	20.382	ug/l	95
65) Chlorobenzene	10.079	112	57272	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19871	20.594	ug/l	99
67) Ethyl Benzene	10.189	91	102810	20.364	ug/l	97
68) m/p-Xylenes	10.299	106	75344	40.767	ug/l	97
69) o-Xylene	10.640	106	36903	19.798	ug/l	93
70) Styrene	10.652	104	61842	20.504	ug/l	97
71) Bromoform	10.799	173	14956	20.555	ug/l #	99
73) Isopropylbenzene	10.957	105	99726	20.856	ug/l	98
74) N-amyl acetate	10.841	43	44441	19.807	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	35740	20.368	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30230m	21.201	ug/l	
77) Bromobenzene	11.195	156	22393	19.848	ug/l	96
78) n-propylbenzene	11.305	91	113273	20.970	ug/l	97
79) 2-Chlorotoluene	11.360	91	70756	20.568	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	80231	20.751	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7884	18.922	ug/l #	81
82) 4-Chlorotoluene	11.451	91	78163	20.848	ug/l	100
83) tert-Butylbenzene	11.713	119	81878	20.611	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	81595	20.974	ug/l	98
85) sec-Butylbenzene	11.890	105	100377	21.094	ug/l	99
86) p-Isopropyltoluene	12.006	119	80414	20.910	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	38996	19.376	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	39135	19.220	ug/l	97
89) n-Butylbenzene	12.329	91	68342	20.634	ug/l	98
90) Hexachloroethane	12.536	117	13976	20.092	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	40119	19.871	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7242	21.185	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	21683	18.861	ug/l	98
94) Hexachlorobutadiene	13.725	225	9796	20.784	ug/l	98
95) Naphthalene	13.774	128	82531	18.685	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	22637	18.665	ug/l	99

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

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