

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045474.D
 Acq On : 27 Mar 2025 14:03
 Operator : JC/MD
 Sample : VX0327WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 01:34:29 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	87985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75668	54.067	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.140%			
35) Dibromofluoromethane	5.379	113	54997	54.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.460%			
50) Toluene-d8	8.647	98	184785	50.261	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	68031	55.842	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23829	21.516	ug/l	98
3) Chloromethane	1.301	50	22897	16.894	ug/l	98
4) Vinyl Chloride	1.368	62	21349	15.878	ug/l	99
5) Bromomethane	1.599	94	13086	24.758	ug/l	90
6) Chloroethane	1.679	64	12930	20.849	ug/l	98
7) Trichlorofluoromethane	1.880	101	33510	18.827	ug/l	98
8) Diethyl Ether	2.130	74	10863	15.603	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	21834	21.351	ug/l	99
10) Methyl Iodide	2.447	142	24434	19.120	ug/l	95
11) Tert butyl alcohol	2.965	59	19187	72.378	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	19619	18.146	ug/l	89
13) Acrolein	2.233	56	32528	106.148	ug/l	100
14) Allyl chloride	2.660	41	36378	18.903	ug/l	93
15) Acrylonitrile	3.062	53	63224	88.988	ug/l	98
16) Acetone	2.380	43	81020	124.773	ug/l	96
17) Carbon Disulfide	2.508	76	47814	16.604	ug/l	97
18) Methyl Acetate	2.703	43	27518	17.616	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	66430	18.314	ug/l	95
20) Methylene Chloride	2.782	84	24296	18.889	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	19635	18.383	ug/l	98
22) Diisopropyl ether	3.764	45	71412	18.246	ug/l	89
23) Vinyl Acetate	3.721	43	310067	94.931	ug/l	98
24) 1,1-Dichloroethane	3.605	63	40657	18.535	ug/l	99
25) 2-Butanone	4.556	43	98964	101.251	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27492	26.721	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	23863	18.098	ug/l	92
28) Bromochloromethane	4.891	49	23582	22.555	ug/l	96
29) Tetrahydrofuran	5.007	42	57576	87.717	ug/l	99
30) Chloroform	5.086	83	42512	19.505	ug/l	95
31) Cyclohexane	5.464	56	35472	18.629	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	35072	19.924	ug/l	97
36) 1,1-Dichloropropene	5.690	75	27498	19.772	ug/l	99
37) Ethyl Acetate	4.715	43	33744	18.830	ug/l	98
38) Carbon Tetrachloride	5.678	117	29718	21.048	ug/l	99
39) Methylcyclohexane	7.379	83	34988	20.996	ug/l	93
40) Benzene	6.031	78	84000	19.127	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	18546	19.139	ug/l	96
42) 1,2-Dichloroethane	6.086	62	34957	22.104	ug/l	96
43) Isopropyl Acetate	6.342	43	51679	19.502	ug/l	99
44) Trichloroethene	7.123	130	19703	19.107	ug/l	100
45) 1,2-Dichloropropane	7.428	63	21150	18.731	ug/l	97
46) Dibromomethane	7.580	93	16098	20.171	ug/l	95
47) Bromodichloromethane	7.824	83	31856	20.350	ug/l	99
48) Methyl methacrylate	7.690	41	27111	20.392	ug/l	93
49) 1,4-Dioxane	7.659	88	9571	341.290	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	181272	101.878	ug/l	98
52) Toluene	8.714	92	50475	19.589	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	26729	20.424	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	30709	20.123	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	20935	19.736	ug/l	98
56) Ethyl methacrylate	9.116	69	32164	19.948	ug/l	93
57) 1,3-Dichloropropane	9.305	76	35741	19.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	89564	113.869	ug/l	99
59) 2-Hexanone	9.427	43	137741	106.844	ug/l	97
60) Dibromochloromethane	9.519	129	22606	20.382	ug/l	100
61) 1,2-Dibromoethane	9.610	107	20838	19.678	ug/l	97
64) Tetrachloroethene	9.269	164	18599	21.769	ug/l	97
65) Chlorobenzene	10.079	112	54201	19.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	18413	19.588	ug/l	97
67) Ethyl Benzene	10.189	91	98151	19.956	ug/l	99
68) m/p-Xylenes	10.299	106	71444	39.679	ug/l	95
69) o-Xylene	10.640	106	35157	19.360	ug/l	96
70) Styrene	10.653	104	59026	20.088	ug/l	98
71) Bromoform	10.799	173	13929	19.650	ug/l #	100
73) Isopropylbenzene	10.957	105	93348	19.117	ug/l	97
74) N-amyl acetate	10.842	43	43856	19.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	33535	18.715	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27636m	18.979	ug/l	
77) Bromobenzene	11.195	156	21372	18.550	ug/l	95
78) n-propylbenzene	11.299	91	107190	19.432	ug/l	99
79) 2-Chlorotoluene	11.360	91	66942	19.056	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	77630	19.661	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7749	18.212	ug/l #	83
82) 4-Chlorotoluene	11.451	91	73932	19.310	ug/l	100
83) tert-Butylbenzene	11.713	119	75919	18.714	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	77339	19.467	ug/l	100
85) sec-Butylbenzene	11.890	105	97050	19.971	ug/l	98
86) p-Isopropyltoluene	12.006	119	78379	19.958	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	38291	18.630	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	38794	18.657	ug/l	97
89) n-Butylbenzene	12.329	91	67937	20.086	ug/l	98
90) Hexachloroethane	12.536	117	13630	19.188	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	39291	19.057	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7323	20.977	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	21728	18.508	ug/l	99
94) Hexachlorobutadiene	13.725	225	9387	19.503	ug/l	98
95) Naphthalene	13.774	128	82954	18.391	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	23008	18.577	ug/l	99

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

