

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045800.D
 Acq On : 16 Apr 2025 12:11
 Operator : JC/MD
 Sample : VX0416WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 01:35:35 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	91256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163123	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89259	53.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.980%			
35) Dibromofluoromethane	5.379	113	60634	52.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.780%			
50) Toluene-d8	8.647	98	208286	51.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.079	95	79824	54.249	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26223	19.215	ug/l	97
3) Chloromethane	1.301	50	24106	17.194	ug/l	100
4) Vinyl Chloride	1.374	62	22830	17.793	ug/l	97
5) Bromomethane	1.593	94	10735	17.645	ug/l	100
6) Chloroethane	1.666	64	13251	19.465	ug/l	97
7) Trichlorofluoromethane	1.874	101	37615	19.659	ug/l	100
8) Diethyl Ether	2.130	74	12179	18.960	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	22629	20.183	ug/l	97
10) Methyl Iodide	2.447	142	24390	17.441	ug/l	99
11) Tert butyl alcohol	2.971	59	22536	100.482	ug/l	100
12) 1,1-Dichloroethene	2.313	96	20145	18.388	ug/l	99
13) Acrolein	2.233	56	22864	74.030	ug/l	99
14) Allyl chloride	2.654	41	41079	19.762	ug/l	99
15) Acrylonitrile	3.062	53	68066	96.143	ug/l	99
16) Acetone	2.386	43	64882	94.681	ug/l	98
17) Carbon Disulfide	2.502	76	40473	14.958	ug/l	98
18) Methyl Acetate	2.703	43	37513	23.776	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	78318	20.436	ug/l	100
20) Methylene Chloride	2.782	84	24113	18.796	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	20286	18.125	ug/l	97
22) Diisopropyl ether	3.764	45	81859	19.992	ug/l	99
23) Vinyl Acetate	3.721	43	339728	96.030	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44275	19.120	ug/l	99
25) 2-Butanone	4.562	43	99057	98.751	ug/l	99
26) 2,2-Dichloropropane	4.465	77	33716	22.535	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	26190	19.207	ug/l	96
28) Bromochloromethane	4.891	49	22857	20.426	ug/l	98
29) Tetrahydrofuran	5.001	42	63198	97.177	ug/l	99
30) Chloroform	5.087	83	47018	19.733	ug/l	99
31) Cyclohexane	5.465	56	38188	18.654	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	40463	20.069	ug/l	100
36) 1,1-Dichloropropene	5.690	75	28998	18.557	ug/l	99
37) Ethyl Acetate	4.715	43	36476	18.523	ug/l	97
38) Carbon Tetrachloride	5.666	117	33560	19.871	ug/l	95
39) Methylcyclohexane	7.373	83	36471	19.040	ug/l	94
40) Benzene	6.031	78	90157	18.891	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21777	20.959	ug/l	96
42) 1,2-Dichloroethane	6.086	62	40085	20.336	ug/l	100
43) Isopropyl Acetate	6.342	43	59835	20.047	ug/l	99
44) Trichloroethene	7.123	130	21854	19.266	ug/l	97
45) 1,2-Dichloropropane	7.428	63	22835	19.176	ug/l	96
46) Dibromomethane	7.580	93	17700	19.363	ug/l	96
47) Bromodichloromethane	7.818	83	35805	19.614	ug/l	99
48) Methyl methacrylate	7.690	41	30857	20.023	ug/l	97
49) 1,4-Dioxane	7.659	88	11317	405.891	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	205623	103.922	ug/l	100
52) Toluene	8.714	92	55575	19.244	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30071	18.634	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34942	20.369	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	23308	20.254	ug/l	95
56) Ethyl methacrylate	9.116	69	36340	20.405	ug/l	98
57) 1,3-Dichloropropane	9.305	76	40377	20.149	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	85031	94.380	ug/l	99
59) 2-Hexanone	9.427	43	151213	103.202	ug/l	100
60) Dibromochloromethane	9.519	129	25122	20.024	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23511	20.182	ug/l	98
64) Tetrachloroethene	9.269	164	19633	19.227	ug/l	94
65) Chlorobenzene	10.080	112	59838	19.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21536	20.072	ug/l	98
67) Ethyl Benzene	10.189	91	108314	19.569	ug/l	99
68) m/p-Xylenes	10.299	106	78456	38.972	ug/l	97
69) o-Xylene	10.640	106	39382	19.858	ug/l	100
70) Styrene	10.653	104	64978	19.852	ug/l	99
71) Bromoform	10.799	173	15526	19.380	ug/l #	97
73) Isopropylbenzene	10.957	105	103860	19.471	ug/l	100
74) N-amyl acetate	10.842	43	50004	19.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	36361	19.405	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31787m	19.570	ug/l	
77) Bromobenzene	11.195	156	23662	19.199	ug/l	99
78) n-propylbenzene	11.305	91	119070	19.380	ug/l	100
79) 2-Chlorotoluene	11.360	91	76695	19.526	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	87621	19.865	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8601	17.971	ug/l	95
82) 4-Chlorotoluene	11.451	91	85739	19.578	ug/l	99
83) tert-Butylbenzene	11.713	119	87028	19.929	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	88156	19.913	ug/l	99
85) sec-Butylbenzene	11.890	105	107627	20.067	ug/l	99
86) p-Isopropyltoluene	12.006	119	88318	19.973	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43357	19.326	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	43462	19.110	ug/l	96
89) n-Butylbenzene	12.329	91	73529	19.176	ug/l	100
90) Hexachloroethane	12.536	117	14606	19.220	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	43884	19.675	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8271	21.106	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	24532	19.760	ug/l	97
94) Hexachlorobutadiene	13.725	225	10725	20.047	ug/l	99
95) Naphthalene	13.774	128	90877	19.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	24818	19.090	ug/l	97

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

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