

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045821.D
 Acq On : 17 Apr 2025 12:26
 Operator : JC/MD
 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 03:36:38 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	5.543	168	84168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75151	48.824	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	5.379	113	51296	48.713	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	8.647	98	171645	46.700	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.400%		
62) 4-Bromofluorobenzene	11.079	95	65252	48.740	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22279	17.700	ug/l	99
3) Chloromethane	1.306	50	20571	15.908	ug/l	100
4) Vinyl Chloride	1.373	62	19163	16.193	ug/l	98
5) Bromomethane	1.593	94	9080	16.182	ug/l	97
6) Chloroethane	1.672	64	11707	18.645	ug/l	97
7) Trichlorofluoromethane	1.879	101	32278	18.291	ug/l	99
8) Diethyl Ether	2.136	74	10850	18.313	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	19819	19.166	ug/l	98
10) Methyl Iodide	2.446	142	21758	16.869	ug/l	96
11) Tert butyl alcohol	2.971	59	21252	102.737	ug/l	99
12) 1,1-Dichloroethene	2.312	96	17340	17.161	ug/l	97
13) Acrolein	2.233	56	15342	53.858	ug/l	97
14) Allyl chloride	2.654	41	34347	17.915	ug/l	98
15) Acrylonitrile	3.062	53	62548	95.789	ug/l	99
16) Acetone	2.379	43	60478	95.686	ug/l	94
17) Carbon Disulfide	2.507	76	34289	13.740	ug/l	95
18) Methyl Acetate	2.703	43	33283	22.872	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	65446	18.515	ug/l	100
20) Methylene Chloride	2.782	84	20706	17.499	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	17654	17.102	ug/l	95
22) Diisopropyl ether	3.757	45	68480	18.133	ug/l #	87
23) Vinyl Acetate	3.715	43	294673	90.309	ug/l	98
24) 1,1-Dichloroethane	3.605	63	38459	18.007	ug/l	99
25) 2-Butanone	4.556	43	90736	98.073	ug/l	98
26) 2,2-Dichloropropane	4.464	77	27712	20.082	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	22325	17.751	ug/l	97
28) Bromochloromethane	4.891	49	18904	18.316	ug/l	100
29) Tetrahydrofuran	5.001	42	55427	92.405	ug/l	98
30) Chloroform	5.086	83	41014	18.663	ug/l	97
31) Cyclohexane	5.464	56	31939	16.916	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	34523	18.565	ug/l	98
36) 1,1-Dichloropropene	5.690	75	25434	17.889	ug/l	98
37) Ethyl Acetate	4.714	43	32844	18.331	ug/l	99
38) Carbon Tetrachloride	5.671	117	28848	18.774	ug/l	99
39) Methylcyclohexane	7.372	83	30674	17.600	ug/l	93
40) Benzene	6.031	78	77203	17.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19283	20.397	ug/l	99
42) 1,2-Dichloroethane	6.086	62	33862	18.881	ug/l	100
43) Isopropyl Acetate	6.336	43	50096	18.447	ug/l	100
44) Trichloroethene	7.122	130	18782	18.198	ug/l	98
45) 1,2-Dichloropropane	7.427	63	20163	18.610	ug/l	92
46) Dibromomethane	7.580	93	15906	19.125	ug/l	98
47) Bromodichloromethane	7.817	83	31283	18.835	ug/l	94
48) Methyl methacrylate	7.696	41	26840	19.142	ug/l	96
49) 1,4-Dioxane	7.659	88	11702	461.286	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	179309	99.603	ug/l	98
52) Toluene	8.714	92	47540	18.093	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	25109	17.290	ug/l	93
54) cis-1,3-Dichloropropene	8.366	75	29276	18.757	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	19836	18.945	ug/l	95
56) Ethyl methacrylate	9.116	69	30727	18.963	ug/l	99
57) 1,3-Dichloropropane	9.305	76	34701	19.032	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	74561	90.959	ug/l	100
59) 2-Hexanone	9.427	43	133151	99.879	ug/l	99
60) Dibromochloromethane	9.518	129	21376	18.727	ug/l	100
61) 1,2-Dibromoethane	9.604	107	20214	19.071	ug/l	98
64) Tetrachloroethene	9.268	164	17008	18.784	ug/l	95
65) Chlorobenzene	10.079	112	51317	18.726	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	17642	18.543	ug/l	98
67) Ethyl Benzene	10.189	91	91748	18.693	ug/l	98
68) m/p-Xylenes	10.299	106	66251	37.112	ug/l	97
69) o-Xylene	10.640	106	32513	18.489	ug/l	96
70) Styrene	10.652	104	55851	19.243	ug/l	99
71) Bromoform	10.799	173	13254	18.657	ug/l #	98
73) Isopropylbenzene	10.957	105	89827	19.070	ug/l	99
74) N-amyl acetate	10.841	43	42993	19.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	32714	19.771	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	27037m	18.849	ug/l	
77) Bromobenzene	11.195	156	20165	18.528	ug/l	99
78) n-propylbenzene	11.305	91	101623	18.731	ug/l	99
79) 2-Chlorotoluene	11.359	91	64766	18.673	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	74713	19.182	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7052	16.686	ug/l	89
82) 4-Chlorotoluene	11.451	91	73779	19.078	ug/l	100
83) tert-Butylbenzene	11.713	119	73160	18.972	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	75739	19.374	ug/l	99
85) sec-Butylbenzene	11.890	105	91720	19.365	ug/l	99
86) p-Isopropyltoluene	12.006	119	75211	19.261	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	37202	18.778	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	37638	18.740	ug/l	98
89) n-Butylbenzene	12.329	91	65089	19.222	ug/l	97
90) Hexachloroethane	12.536	117	12615	18.798	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	37761	19.172	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7290	21.066	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	21463	19.576	ug/l	98
94) Hexachlorobutadiene	13.725	225	9512	20.134	ug/l	98
95) Naphthalene	13.774	128	79057	19.377	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	21944	19.114	ug/l	98

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

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