

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044980.D
 Acq On : 18 Feb 2025 12:20
 Operator : JC/MD
 Sample : VX0218WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/19/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:46:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	102760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	182711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	163817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	80621	53.60	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.20%	
35) Dibromofluoromethane	5.379	113	63678	53.60	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.20%	
50) Toluene-d8	8.641	98	234589	52.22	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.44%	
62) 4-Bromofluorobenzene	11.079	95	83522	55.15	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	28249	19.60	ug/l	95
3) Chloromethane	1.295	50	33009	18.82	ug/l	97
4) Vinyl Chloride	1.374	62	31544	18.56	ug/l	98
5) Bromomethane	1.593	94	11727	23.06	ug/l	97
6) Chloroethane	1.673	64	17628	24.70	ug/l	99
7) Trichlorofluoromethane	1.880	101	42901	19.96	ug/l	97
8) Diethyl Ether	2.130	74	16831	21.60	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	25942	19.98	ug/l	98
10) Methyl Iodide	2.447	142	33846	20.11	ug/l	97
11) Tert butyl alcohol	2.965	59	29379	105.28	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24880	18.78	ug/l	98
13) Acrolein	2.233	56	27990	97.22	ug/l	99
14) Allyl chloride	2.660	41	47470	19.83	ug/l	98
15) Acrylonitrile	3.056	53	77709	104.30	ug/l	98
16) Acetone	2.374	43	63293	104.67	ug/l	95
17) Carbon Disulfide	2.508	76	64044	17.63	ug/l	100
18) Methyl Acetate	2.697	43	42718	22.39	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	85357	20.25	ug/l	99
20) Methylene Chloride	2.782	84	29107	19.65	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24842	19.06	ug/l	97
22) Diisopropyl ether	3.751	45	92690	20.47	ug/l #	87
23) Vinyl Acetate	3.715	43	380479	103.06	ug/l	100
24) 1,1-Dichloroethane	3.599	63	49952	19.71	ug/l	99
25) 2-Butanone	4.550	43	104839	106.77	ug/l	94
26) 2,2-Dichloropropane	4.465	77	38755	19.29	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	31776	20.29	ug/l	97
28) Bromochloromethane	4.885	49	25580	21.01	ug/l	98
29) Tetrahydrofuran	4.995	42	68331	104.80	ug/l	99
30) Chloroform	5.080	83	50571	20.58	ug/l	97
31) Cyclohexane	5.465	56	45252	19.37	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	41389	19.86	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33650	19.63	ug/l	100
37) Ethyl Acetate	4.702	43	40428	21.21	ug/l	98
38) Carbon Tetrachloride	5.666	117	35048	20.87	ug/l	95
39) Methylcyclohexane	7.373	83	44803	20.22	ug/l	96
40) Benzene	6.032	78	109312	20.43	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23214	22.75	ug/l	98
42) 1,2-Dichloroethane	6.074	62	38097	22.34	ug/l	99
43) Isopropyl Acetate	6.336	43	66575	21.63	ug/l	99
44) Trichloroethene	7.117	130	25305	20.69	ug/l	98
45) 1,2-Dichloropropane	7.422	63	28027	21.05	ug/l	97
46) Dibromomethane	7.574	93	19523	21.14	ug/l	97
47) Bromodichloromethane	7.818	83	39420	22.05	ug/l	97
48) Methyl methacrylate	7.690	41	31980	22.03	ug/l	97
49) 1,4-Dioxane	7.659	88	14349	460.77	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	218798	116.91	ug/l	97
52) Toluene	8.714	92	67152	21.07	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	37528	20.74	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	42469	21.05	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	26791	21.87	ug/l	96
56) Ethyl methacrylate	9.110	69	42037	21.24	ug/l	99
57) 1,3-Dichloropropane	9.305	76	46838	21.85	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	98907	101.80	ug/l	100
59) 2-Hexanone	9.427	43	159295	118.13	ug/l	96
60) Dibromochloromethane	9.519	129	28885	22.04	ug/l	99
61) 1,2-Dibromoethane	9.604	107	27011	21.75	ug/l	97
64) Tetrachloroethene	9.269	164	21207	20.53	ug/l	97
65) Chlorobenzene	10.073	112	71865	20.42	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	23477	20.73	ug/l	99
67) Ethyl Benzene	10.189	91	126039	20.30	ug/l	100
68) m/p-Xylenes	10.299	106	95875	41.86	ug/l	99
69) o-Xylene	10.640	106	46253	20.13	ug/l	98
70) Styrene	10.653	104	78838	21.29	ug/l	100
71) Bromoform	10.799	173	18572	21.97	ug/l #	100
73) Isopropylbenzene	10.957	105	121744	19.49	ug/l	98
74) N-amyl acetate	10.842	43	56816	20.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	43128	20.09	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	33656m	19.56	ug/l	
77) Bromobenzene	11.195	156	28098	19.84	ug/l	97
78) n-propylbenzene	11.299	91	139912	19.40	ug/l	100
79) 2-Chlorotoluene	11.360	91	85074	19.19	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	101076	19.94	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11690	17.48	ug/l	93
82) 4-Chlorotoluene	11.451	91	97222	19.83	ug/l	99
83) tert-Butylbenzene	11.713	119	103413	20.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	101505	20.28	ug/l	100
85) sec-Butylbenzene	11.884	105	127946	20.14	ug/l	100
86) p-Isopropyltoluene	12.006	119	104717	20.50	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52470	20.14	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	52440	19.91	ug/l	99
89) n-Butylbenzene	12.329	91	93083	20.60	ug/l	99
90) Hexachloroethane	12.536	117	17961	18.78	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	52728	20.60	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8186	20.89	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	30741	19.84	ug/l	99
94) Hexachlorobutadiene	13.719	225	12717	20.68	ug/l	97
95) Naphthalene	13.774	128	112198	20.04	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	31514	20.19	ug/l	98

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

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