

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045081.D
 Acq On : 28 Feb 2025 12:13
 Operator : JC/MD
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:36 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	5.544	168	102676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	183348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78381	47.992	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.980%		
35) Dibromofluoromethane	5.379	113	60841	49.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.260%		
50) Toluene-d8	8.647	98	222580	50.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.160%		
62) 4-Bromofluorobenzene	11.079	95	75997	51.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24425	18.898	ug/l	98
3) Chloromethane	1.307	50	29444	18.616	ug/l	98
4) Vinyl Chloride	1.374	62	28450	18.132	ug/l	98
5) Bromomethane	1.593	94	11516	18.670	ug/l	97
6) Chloroethane	1.660	64	11560	15.973	ug/l	98
7) Trichlorofluoromethane	1.867	101	39715	19.120	ug/l	99
8) Diethyl Ether	2.136	74	14681	18.070	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.313	101	24000	20.111	ug/l	99
10) Methyl Iodide	2.441	142	26949	18.071	ug/l	98
11) Tert butyl alcohol	2.995	59	26234	84.802	ug/l	98
12) 1,1-Dichloroethene	2.306	96	22917	18.164	ug/l	97
13) Acrolein	2.233	56	42959	120.129	ug/l	99
14) Allyl chloride	2.654	41	44373	19.758	ug/l	98
15) Acrylonitrile	3.062	53	77891	93.945	ug/l	100
16) Acetone	2.386	43	67116	88.572	ug/l	100
17) Carbon Disulfide	2.501	76	60232	17.924	ug/l	99
18) Methyl Acetate	2.703	43	33723	18.499	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	78617	18.573	ug/l	98
20) Methylene Chloride	2.782	84	26850	17.888	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	23488	18.844	ug/l	96
22) Diisopropyl ether	3.757	45	87045	19.058	ug/l #	85
23) Vinyl Acetate	3.715	43	374531	98.261	ug/l	99
24) 1,1-Dichloroethane	3.599	63	46160	18.033	ug/l	98
25) 2-Butanone	4.562	43	109404	95.917	ug/l	99
26) 2,2-Dichloropropane	4.465	77	32128	26.759	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	29097	18.910	ug/l	98
28) Bromochloromethane	4.897	49	22096	18.110	ug/l	98
29) Tetrahydrofuran	5.007	42	71959	93.943	ug/l	100
30) Chloroform	5.080	83	47136	18.533	ug/l	94
31) Cyclohexane	5.458	56	43569	19.608	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	38625	18.803	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31171	18.539	ug/l	97
37) Ethyl Acetate	4.715	43	41163	19.000	ug/l	99
38) Carbon Tetrachloride	5.672	117	32036	18.768	ug/l	93
39) Methylcyclohexane	7.373	83	43300	21.493	ug/l	97
40) Benzene	6.031	78	102719	19.347	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22353	19.081	ug/l	98
42) 1,2-Dichloroethane	6.086	62	36431	19.055	ug/l	98
43) Isopropyl Acetate	6.342	43	62918	19.639	ug/l	99
44) Trichloroethene	7.117	130	23736	19.040	ug/l	89
45) 1,2-Dichloropropane	7.427	63	25968	19.023	ug/l	97
46) Dibromomethane	7.580	93	18730	19.412	ug/l	99
47) Bromodichloromethane	7.818	83	35890	18.964	ug/l	98
48) Methyl methacrylate	7.690	41	31227	19.429	ug/l	99
49) 1,4-Dioxane	7.665	88	13374	394.478	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	215285	100.083	ug/l	99
52) Toluene	8.714	92	62012	19.907	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	31552	19.942	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	37263	20.197	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	25421	19.823	ug/l	97
56) Ethyl methacrylate	9.116	69	38375	19.686	ug/l	97
57) 1,3-Dichloropropane	9.305	76	43601	19.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	98607	103.699	ug/l	99
59) 2-Hexanone	9.427	43	156586	100.470	ug/l	99
60) Dibromochloromethane	9.519	129	25707	19.172	ug/l	97
61) 1,2-Dibromoethane	9.610	107	25351	19.802	ug/l	100
64) Tetrachloroethene	9.269	164	20506	19.717	ug/l	94
65) Chlorobenzene	10.079	112	67717	19.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	21552	18.835	ug/l	98
67) Ethyl Benzene	10.189	91	118363	19.770	ug/l	100
68) m/p-Xylenes	10.299	106	89858	41.000	ug/l	98
69) o-Xylene	10.640	106	43790	19.810	ug/l	98
70) Styrene	10.652	104	72492	20.268	ug/l	99
71) Bromoform	10.799	173	16021	18.567	ug/l #	99
73) Isopropylbenzene	10.957	105	112773	19.694	ug/l	99
74) N-amyl acetate	10.841	43	51992	19.350	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39599	18.845	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	31916m	18.691	ug/l	
77) Bromobenzene	11.195	156	25894	19.166	ug/l	98
78) n-propylbenzene	11.299	91	128893	19.926	ug/l	100
79) 2-Chlorotoluene	11.360	91	78548	19.067	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	93040	20.095	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9730	19.501	ug/l	95
82) 4-Chlorotoluene	11.451	91	89378	19.907	ug/l	99
83) tert-Butylbenzene	11.713	119	91865	19.310	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	92622	19.881	ug/l	100
85) sec-Butylbenzene	11.890	105	115708	20.305	ug/l	100
86) p-Isopropyltoluene	12.006	119	93388	20.278	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47023	19.510	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	47637	19.536	ug/l	98
89) n-Butylbenzene	12.329	91	80942	20.407	ug/l	99
90) Hexachloroethane	12.536	117	15192	18.238	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	47753	19.751	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7566	18.482	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	28524	20.719	ug/l	97
94) Hexachlorobutadiene	13.725	225	11519	20.409	ug/l	99
95) Naphthalene	13.774	128	106178	20.074	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29563	20.355	ug/l	99

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

