

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062023\
 Data File : VX036232.D
 Acq On : 20 Jun 2023 10:59
 Operator : JC/MD
 Sample : VX0620WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 01:57:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	190460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	330491	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	184523	53.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.040%			
35) Dibromofluoromethane	5.379	113	124211	55.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.840%			
50) Toluene-d8	8.647	98	444370	54.206	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.420%			
62) 4-Bromofluorobenzene	11.079	95	181945	54.983	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44567	19.064	ug/l	97
3) Chloromethane	1.294	50	46823	18.930	ug/l	99
4) Vinyl Chloride	1.374	62	46276	19.639	ug/l	97
5) Bromomethane	1.617	94	28290	19.531	ug/l	97
6) Chloroethane	1.691	64	29573	19.396	ug/l	90
7) Trichlorofluoromethane	1.892	101	74781	19.610	ug/l	97
8) Diethyl Ether	2.136	74	27847	19.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	47114	21.665	ug/l	98
10) Methyl Iodide	2.453	142	50084	22.336	ug/l	99
11) Tert butyl alcohol	2.995	59	53345	100.253	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	41567	20.214	ug/l	96
13) Acrolein	2.239	56	64569	109.270	ug/l	99
14) Allyl chloride	2.666	41	84686	20.353	ug/l	94
15) Acrylonitrile	3.062	53	139607	102.563	ug/l	99
16) Acetone	2.392	43	139999	96.815	ug/l	98
17) Carbon Disulfide	2.514	76	102519	20.169	ug/l	98
18) Methyl Acetate	2.703	43	112697	20.549	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	169864	21.101	ug/l	98
20) Methylene Chloride	2.788	84	51556	19.678	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	45561	19.941	ug/l	98
22) Diisopropyl ether	3.757	45	177434	21.429	ug/l	93
23) Vinyl Acetate	3.721	43	639432	108.963	ug/l	100
24) 1,1-Dichloroethane	3.605	63	95404	20.855	ug/l	98
25) 2-Butanone	4.562	43	206040	101.776	ug/l	99
26) 2,2-Dichloropropane	4.471	77	76009	21.366	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	54220	20.753	ug/l	98
28) Bromochloromethane	4.891	49	52639	22.073	ug/l	98
29) Tetrahydrofuran	5.001	42	130642	101.608	ug/l	98
30) Chloroform	5.086	83	100289	20.816	ug/l	99
31) Cyclohexane	5.470	56	79753	21.360	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	85614	20.960	ug/l	98
36) 1,1-Dichloropropene	5.690	75	69924	21.181	ug/l	99
37) Ethyl Acetate	4.708	43	80511	20.932	ug/l	99
38) Carbon Tetrachloride	5.672	117	70064	21.832	ug/l	98
39) Methylcyclohexane	7.379	83	81548	22.936	ug/l	96
40) Benzene	6.037	78	197350	21.258	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	44594	21.030	ug/l	96
42) 1,2-Dichloroethane	6.086	62	90518	21.643	ug/l	98
43) Isopropyl Acetate	6.336	43	129244	21.957	ug/l	99
44) Trichloroethene	7.123	130	50247	21.659	ug/l	97
45) 1,2-Dichloropropane	7.427	63	53658	21.740	ug/l	98
46) Dibromomethane	7.580	93	39017	22.191	ug/l	97
47) Bromodichloromethane	7.818	83	74427	22.049	ug/l	99
48) Methyl methacrylate	7.690	41	66358	21.973	ug/l	97
49) 1,4-Dioxane	7.708	88	25312	500.606	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	411350	110.676	ug/l	98
52) Toluene	8.714	92	126163	21.706	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	78392	22.547	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84097	22.555	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	52966	22.074	ug/l	95
56) Ethyl methacrylate	9.116	69	81875	22.588	ug/l	94
57) 1,3-Dichloropropane	9.305	76	91866	21.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	236540	118.398	ug/l	99
59) 2-Hexanone	9.427	43	310044	112.206	ug/l	98
60) Dibromochloromethane	9.519	129	51522	21.999	ug/l	98
61) 1,2-Dibromoethane	9.610	107	54960	21.967	ug/l	99
64) Tetrachloroethene	9.275	164	42648	22.427	ug/l	97
65) Chlorobenzene	10.079	112	133021	21.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48104	22.009	ug/l	98
67) Ethyl Benzene	10.189	91	245945	21.743	ug/l	98
68) m/p-Xylenes	10.299	106	185860	43.552	ug/l	96
69) o-Xylene	10.640	106	90575	21.512	ug/l	94
70) Styrene	10.652	104	152451	21.730	ug/l	98
71) Bromoform	10.799	173	32415	21.542	ug/l #	97
73) Isopropylbenzene	10.963	105	243092	21.550	ug/l	100
74) N-amyl acetate	10.841	43	114948	22.551	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	82702	21.412	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72038m	19.967	ug/l	
77) Bromobenzene	11.195	156	54506	20.624	ug/l	94
78) n-propylbenzene	11.305	91	293016	22.081	ug/l	98
79) 2-Chlorotoluene	11.366	91	177542	21.272	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	208142	21.670	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20779	20.159	ug/l	86
82) 4-Chlorotoluene	11.451	91	209078	21.499	ug/l	97
83) tert-Butylbenzene	11.713	119	197476	21.626	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	209672	21.885	ug/l	99
85) sec-Butylbenzene	11.890	105	253464	22.292	ug/l	99
86) p-Isopropyltoluene	12.006	119	212059	22.168	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	103719	20.579	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	106886	20.704	ug/l	97
89) n-Butylbenzene	12.329	91	193619	22.680	ug/l	99
90) Hexachloroethane	12.536	117	32323	21.541	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	104670	21.160	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18222	21.389	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	61886	22.070	ug/l	98
94) Hexachlorobutadiene	13.725	225	24330	21.949	ug/l	97
95) Naphthalene	13.774	128	213929	22.118	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	61029	21.704	ug/l	98

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

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