

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038872.D
 Acq On : 17 Nov 2023 12:01
 Operator : JC/MD
 Sample : VX1117WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 17 22:47:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	144878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	265262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115726	49.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.140%		
35) Dibromofluoromethane	5.385	113	95443	49.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	8.647	98	356970	48.701	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.400%		
62) 4-Bromofluorobenzene	11.079	95	141242	48.136	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33167	19.620	ug/l	96
3) Chloromethane	1.294	50	37560	17.023	ug/l	97
4) Vinyl Chloride	1.374	62	38912	18.308	ug/l	100
5) Bromomethane	1.605	94	26195	29.810	ug/l	98
6) Chloroethane	1.685	64	23510	19.383	ug/l	97
7) Trichlorofluoromethane	1.886	101	52051	19.300	ug/l	100
8) Diethyl Ether	2.130	74	23208	19.757	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	32329	18.075	ug/l	99
10) Methyl Iodide	2.453	142	40130	18.434	ug/l	91
11) Tert butyl alcohol	2.953	59	72025	110.928	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	32653	18.083	ug/l	88
13) Acrolein	2.233	56	41101	119.648	ug/l	100
14) Allyl chloride	2.666	41	66674	18.442	ug/l	92
15) Acrylonitrile	3.062	53	135924	99.073	ug/l	99
16) Acetone	2.374	43	128626	103.502	ug/l	90
17) Carbon Disulfide	2.514	76	92113	16.468	ug/l	100
18) Methyl Acetate	2.703	43	117688	19.937	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	125578	19.773	ug/l	99
20) Methylene Chloride	2.788	84	41205	18.393	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	35795	17.966	ug/l	91
22) Diisopropyl ether	3.757	45	127104	19.164	ug/l	92
23) Vinyl Acetate	3.721	43	466796	97.724	ug/l	98
24) 1,1-Dichloroethane	3.611	63	68734	18.532	ug/l	98
25) 2-Butanone	4.550	43	201995	100.232	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58192	18.088	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	42888	18.467	ug/l	94
28) Bromochloromethane	4.891	49	37531	21.076	ug/l	96
29) Tetrahydrofuran	5.001	42	129369	101.103	ug/l	97
30) Chloroform	5.093	83	68321	18.865	ug/l	92
31) Cyclohexane	5.471	56	59534	17.862	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	58249	18.569	ug/l	99
36) 1,1-Dichloropropene	5.696	75	49757	18.121	ug/l	98
37) Ethyl Acetate	4.715	43	71088	19.872	ug/l	97
38) Carbon Tetrachloride	5.678	117	49260	19.411	ug/l	91
39) Methylcyclohexane	7.379	83	63967	17.860	ug/l	96
40) Benzene	6.038	78	151657	18.674	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36320	19.576	ug/l	94
42) 1,2-Dichloroethane	6.086	62	54916	20.410	ug/l	95
43) Isopropyl Acetate	6.336	43	111350	19.477	ug/l	97
44) Trichloroethene	7.123	130	37815	19.130	ug/l	99
45) 1,2-Dichloropropane	7.428	63	42237	19.326	ug/l	94
46) Dibromomethane	7.580	93	29079	19.952	ug/l	97
47) Bromodichloromethane	7.818	83	55945	19.340	ug/l	99
48) Methyl methacrylate	7.690	41	51770	18.663	ug/l	92
49) 1,4-Dioxane	7.659	88	23819	443.855	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	370802	101.492	ug/l	98
52) Toluene	8.720	92	95135	18.878	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	64787	18.847	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	69107	19.462	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	40783	19.395	ug/l	92
56) Ethyl methacrylate	9.116	69	69773	19.611	ug/l	96
57) 1,3-Dichloropropane	9.305	76	68620	19.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	152226	91.846	ug/l	95
59) 2-Hexanone	9.427	43	301449	102.940	ug/l	97
60) Dibromochloromethane	9.519	129	41759	19.531	ug/l	100
61) 1,2-Dibromoethane	9.610	107	43858	19.876	ug/l	98
64) Tetrachloroethene	9.275	164	28005	18.135	ug/l	93
65) Chlorobenzene	10.079	112	99934	18.674	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	36282	18.847	ug/l	97
67) Ethyl Benzene	10.195	91	184372	18.752	ug/l	99
68) m/p-Xylenes	10.299	106	137770	37.042	ug/l	98
69) o-Xylene	10.640	106	69371	18.850	ug/l	98
70) Styrene	10.653	104	114301	18.390	ug/l	98
71) Bromoform	10.799	173	31342	19.530	ug/l #	100
73) Isopropylbenzene	10.963	105	177108	18.300	ug/l	99
74) N-amyl acetate	10.842	43	97193	18.998	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	71359	18.889	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	59313m	19.139	ug/l	
77) Bromobenzene	11.195	156	39951	18.372	ug/l	96
78) n-propylbenzene	11.305	91	217798	18.283	ug/l	99
79) 2-Chlorotoluene	11.366	91	127217	17.995	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	153213	18.829	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	24449	17.499	ug/l #	84
82) 4-Chlorotoluene	11.451	91	148233	18.185	ug/l	98
83) tert-Butylbenzene	11.713	119	147128	18.359	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	153880	18.683	ug/l	99
85) sec-Butylbenzene	11.890	105	192374	18.351	ug/l	99
86) p-Isopropyltoluene	12.006	119	155093	18.430	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	78810	18.507	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	79555	18.253	ug/l	99
89) n-Butylbenzene	12.329	91	151945	17.897	ug/l	97
90) Hexachloroethane	12.536	117	29991	17.847	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	76455	18.930	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17876	19.313	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	50088	18.506	ug/l	98
94) Hexachlorobutadiene	13.725	225	17387	18.141	ug/l	98
95) Naphthalene	13.774	128	191365	18.984	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	49482	19.286	ug/l	100

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

