

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038871.D
 Acq On : 17 Nov 2023 11:35
 Operator : JC/MD
 Sample : VX1117WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 22:46:54 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	150341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	277779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	259812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121023	49.958	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.920%		
35) Dibromofluoromethane	5.385	113	97860	48.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.560%		
50) Toluene-d8	8.647	98	374878	48.839	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.680%		
62) 4-Bromofluorobenzene	11.079	95	145833	47.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33753	19.241	ug/l	97
3) Chloromethane	1.300	50	40575	17.721	ug/l	100
4) Vinyl Chloride	1.373	62	41886	18.992	ug/l	99
5) Bromomethane	1.605	94	26765	29.351	ug/l	92
6) Chloroethane	1.684	64	25087	19.932	ug/l	98
7) Trichlorofluoromethane	1.886	101	54220	19.373	ug/l	100
8) Diethyl Ether	2.129	74	23930	19.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	34557	18.619	ug/l	97
10) Methyl Iodide	2.453	142	41597	18.414	ug/l	90
11) Tert butyl alcohol	2.952	59	70892	105.216	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	33753	18.013	ug/l	89
13) Acrolein	2.233	56	41913	117.578	ug/l	99
14) Allyl chloride	2.666	41	69628	18.559	ug/l	92
15) Acrylonitrile	3.062	53	137147	96.332	ug/l	98
16) Acetone	2.373	43	127279	98.697	ug/l #	86
17) Carbon Disulfide	2.513	76	97081	16.726	ug/l	100
18) Methyl Acetate	2.702	43	116915	19.087	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	126925	19.258	ug/l	97
20) Methylene Chloride	2.788	84	42368	18.225	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	37811	18.288	ug/l	93
22) Diisopropyl ether	3.757	45	131440	19.098	ug/l	97
23) Vinyl Acetate	3.721	43	478628	96.560	ug/l	100
24) 1,1-Dichloroethane	3.611	63	71605	18.605	ug/l	98
25) 2-Butanone	4.556	43	200911	96.072	ug/l	96
26) 2,2-Dichloropropane	4.477	77	61249	18.346	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	43728	18.144	ug/l	96
28) Bromochloromethane	4.897	49	38096	20.616	ug/l	99
29) Tetrahydrofuran	5.001	42	127351	95.909	ug/l	96
30) Chloroform	5.092	83	71127	18.926	ug/l	98
31) Cyclohexane	5.470	56	62965	18.205	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	61293	18.829	ug/l	99
36) 1,1-Dichloropropene	5.696	75	52881	18.391	ug/l	98
37) Ethyl Acetate	4.708	43	71793	19.165	ug/l	95
38) Carbon Tetrachloride	5.678	117	51048	19.209	ug/l	98
39) Methylcyclohexane	7.378	83	68137	18.167	ug/l	95
40) Benzene	6.037	78	158287	18.612	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	35705	18.377	ug/l #	89
42) 1,2-Dichloroethane	6.080	62	54482	19.336	ug/l	95
43) Isopropyl Acetate	6.336	43	115457	19.285	ug/l	97
44) Trichloroethene	7.122	130	38521	18.609	ug/l	98
45) 1,2-Dichloropropane	7.427	63	43717	19.102	ug/l	97
46) Dibromomethane	7.580	93	29648	19.426	ug/l	97
47) Bromodichloromethane	7.817	83	56938	18.797	ug/l	99
48) Methyl methacrylate	7.689	41	53692	18.484	ug/l	93
49) 1,4-Dioxane	7.653	88	24202	430.670	ug/l #	97
51) 4-Methyl-2-Pentanone	8.573	43	376795	98.485	ug/l	99
52) Toluene	8.720	92	99684	18.889	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	67481	18.746	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	70567	18.978	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	41961	19.056	ug/l	93
56) Ethyl methacrylate	9.116	69	70869	19.021	ug/l	94
57) 1,3-Dichloropropane	9.305	76	69321	19.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	152603	87.925	ug/l	97
59) 2-Hexanone	9.427	43	301086	98.183	ug/l	97
60) Dibromochloromethane	9.518	129	42871	19.147	ug/l	99
61) 1,2-Dibromoethane	9.610	107	44815	19.395	ug/l	97
64) Tetrachloroethene	9.274	164	30134	18.659	ug/l	98
65) Chlorobenzene	10.079	112	103264	18.451	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	37142	18.449	ug/l	97
67) Ethyl Benzene	10.195	91	191412	18.615	ug/l	99
68) m/p-Xylenes	10.299	106	144782	37.223	ug/l	100
69) o-Xylene	10.640	106	71197	18.499	ug/l	99
70) Styrene	10.652	104	119643	18.407	ug/l	98
71) Bromoform	10.799	173	31631	18.847	ug/l #	99
73) Isopropylbenzene	10.963	105	186539	18.526	ug/l	99
74) N-amyl acetate	10.841	43	99213	18.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	73402	18.675	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	61161m	18.969	ug/l	
77) Bromobenzene	11.195	156	41244	18.230	ug/l	97
78) n-propylbenzene	11.305	91	227151	18.328	ug/l	99
79) 2-Chlorotoluene	11.366	91	132452	18.008	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	157816	18.641	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	25498	17.541	ug/l #	83
82) 4-Chlorotoluene	11.451	91	154543	18.222	ug/l	100
83) tert-Butylbenzene	11.713	119	151831	18.209	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	157525	18.383	ug/l	98
85) sec-Butylbenzene	11.890	105	198190	18.172	ug/l	99
86) p-Isopropyltoluene	12.006	119	160409	18.322	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	80915	18.263	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	83099	18.326	ug/l	98
89) n-Butylbenzene	12.329	91	158551	17.949	ug/l	97
90) Hexachloroethane	12.536	117	30969	17.713	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	78624	18.710	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	17625	18.302	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	51148	18.164	ug/l	97
94) Hexachlorobutadiene	13.725	225	17419	17.468	ug/l	100
95) Naphthalene	13.774	128	191857	18.294	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	50014	18.736	ug/l	99

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

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