

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038469.D
 Acq On : 25 Oct 2023 11:01
 Operator : JC/MD
 Sample : VX1025WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 04:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	173281	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	277612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	266132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119656	42.932	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.860%		
35) Dibromofluoromethane	5.385	113	106413	53.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.400%		
50) Toluene-d8	8.647	98	371502	48.601	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	146888	50.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	35388	21.157	ug/l	99
3) Chloromethane	1.294	50	32055	18.803	ug/l	99
4) Vinyl Chloride	1.374	62	35587	18.828	ug/l	94
5) Bromomethane	1.605	94	34520	13.280	ug/l	99
6) Chloroethane	1.691	64	24659	17.770	ug/l	99
7) Trichlorofluoromethane	1.892	101	68507	18.350	ug/l	95
8) Diethyl Ether	2.136	74	24090	17.301	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	37892	23.249	ug/l	95
10) Methyl Iodide	2.453	142	46899	19.999	ug/l	93
11) Tert butyl alcohol	2.947	59	47900	69.864	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	34603	21.826	ug/l	82
13) Acrolein	2.233	56	46696	117.854	ug/l	99
14) Allyl chloride	2.666	41	51648	18.213	ug/l	# 96
15) Acrylonitrile	3.062	53	117586	92.707	ug/l	99
16) Acetone	2.373	43	103920	89.340	ug/l	91
17) Carbon Disulfide	2.514	76	83304	18.231	ug/l	100
18) Methyl Acetate	2.697	43	96676	19.381	ug/l	# 90
19) Methyl tert-butyl Ether	3.111	73	121752	19.283	ug/l	97
20) Methylene Chloride	2.788	84	41406	18.924	ug/l	# 89
21) trans-1,2-Dichloroethene	3.093	96	37867	19.291	ug/l	88
22) Diisopropyl ether	3.757	45	109262	18.384	ug/l	# 94
23) Vinyl Acetate	3.721	43	389615	89.394	ug/l	# 92
24) 1,1-Dichloroethane	3.605	63	66288	18.379	ug/l	99
25) 2-Butanone	4.550	43	160659	85.603	ug/l	# 90
26) 2,2-Dichloropropane	4.477	77	53168	18.881	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	46526	19.902	ug/l	86
28) Bromochloromethane	4.897	49	28360	17.418	ug/l	# 74
29) Tetrahydrofuran	5.001	42	101559	83.115	ug/l	# 85
30) Chloroform	5.093	83	77212	19.576	ug/l	96
31) Cyclohexane	5.471	56	53308	17.654	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	66494	19.683	ug/l	97
36) 1,1-Dichloropropene	5.696	75	53706	19.469	ug/l	97
37) Ethyl Acetate	4.708	43	58787	17.944	ug/l	94
38) Carbon Tetrachloride	5.678	117	57085	21.036	ug/l	99
39) Methylcyclohexane	7.379	83	63490	19.650	ug/l	92
40) Benzene	6.037	78	155870	20.203	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	29916	18.356	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	58018	18.821	ug/l	97
43) Isopropyl Acetate	6.336	43	90319	18.468	ug/l #	94
44) Trichloroethene	7.123	130	45382	22.489	ug/l	97
45) 1,2-Dichloropropane	7.427	63	40309	20.186	ug/l	99
46) Dibromomethane	7.580	93	32029	20.681	ug/l	92
47) Bromodichloromethane	7.824	83	58625	21.278	ug/l	96
48) Methyl methacrylate	7.696	41	43121	18.470	ug/l #	83
49) 1,4-Dioxane	7.659	88	15319	266.268	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	324725	96.262	ug/l	96
52) Toluene	8.720	92	104548	20.802	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	57254	19.360	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	64207	20.664	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	45930	21.366	ug/l	96
56) Ethyl methacrylate	9.116	69	64854	19.677	ug/l	91
57) 1,3-Dichloropropane	9.311	76	70843	20.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	147545	91.199	ug/l	97
59) 2-Hexanone	9.427	43	258584	95.351	ug/l	94
60) Dibromochloromethane	9.519	129	47847	22.742	ug/l	99
61) 1,2-Dibromoethane	9.610	107	49208	21.168	ug/l	98
64) Tetrachloroethene	9.275	164	38841	22.544	ug/l	99
65) Chlorobenzene	10.079	112	118227	21.230	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	43318	23.003	ug/l	99
67) Ethyl Benzene	10.195	91	209343	21.060	ug/l	99
68) m/p-Xylenes	10.299	106	162837	42.365	ug/l	97
69) o-Xylene	10.640	106	79463	21.182	ug/l	97
70) Styrene	10.653	104	133292	21.818	ug/l	96
71) Bromoform	10.799	173	36241	22.420	ug/l #	99
73) Isopropylbenzene	10.963	105	211957	20.602	ug/l	98
74) N-amyl acetate	10.842	43	79119	18.008	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	76998	20.396	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	68248m	19.569	ug/l	
77) Bromobenzene	11.195	156	53770	21.407	ug/l	85
78) n-propylbenzene	11.305	91	252144	20.043	ug/l	99
79) 2-Chlorotoluene	11.366	91	148584	19.916	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	180758	20.365	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18808	18.510	ug/l	93
82) 4-Chlorotoluene	11.457	91	172910	19.586	ug/l	94
83) tert-Butylbenzene	11.713	119	181115	20.883	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	181906	20.555	ug/l	97
85) sec-Butylbenzene	11.890	105	228822	20.367	ug/l	99
86) p-Isopropyltoluene	12.006	119	192680	20.787	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	105665	20.944	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	108522	21.070	ug/l	97
89) n-Butylbenzene	12.329	91	176347	19.103	ug/l	97
90) Hexachloroethane	12.536	117	30838	20.065	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	105597	21.775	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17899	19.610	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	71717	22.049	ug/l	97
94) Hexachlorobutadiene	13.725	225	26823	20.489	ug/l	99
95) Naphthalene	13.774	128	231248	20.416	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	68399	21.718	ug/l	96

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

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