

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037504.D
 Acq On : 05 Sep 2023 11:49
 Operator : JC/MD
 Sample : VX0905WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:50:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	130216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94338	50.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.500%			
35) Dibromofluoromethane	5.385	113	82739	56.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.860%			
50) Toluene-d8	8.647	98	285894	53.758	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.520%			
62) 4-Bromofluorobenzene	11.079	95	114678	54.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	28229	18.662	ug/l	96
3) Chloromethane	1.301	50	27554	20.822	ug/l	99
4) Vinyl Chloride	1.374	62	29787	20.679	ug/l	98
5) Bromomethane	1.599	94	15554	21.678	ug/l	99
6) Chloroethane	1.679	64	19047	22.471	ug/l	93
7) Trichlorofluoromethane	1.886	101	44903	19.030	ug/l	99
8) Diethyl Ether	2.130	74	17949	19.662	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	27230	19.782	ug/l	96
10) Methyl Iodide	2.447	142	33325	19.920	ug/l	92
11) Tert butyl alcohol	2.965	59	40660	92.331	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	26114	19.482	ug/l	82
13) Acrolein	2.239	56	23649	70.592	ug/l	100
14) Allyl chloride	2.660	41	39049	18.821	ug/l #	89
15) Acrylonitrile	3.062	53	83639	106.410	ug/l	99
16) Acetone	2.380	43	77395	105.383	ug/l #	86
17) Carbon Disulfide	2.508	76	54071	15.858	ug/l	98
18) Methyl Acetate	2.703	43	56813	20.546	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	98631	19.401	ug/l	96
20) Methylene Chloride	2.788	84	32461	19.765	ug/l	86
21) trans-1,2-Dichloroethene	3.087	96	28400	18.638	ug/l	85
22) Diisopropyl ether	3.764	45	84975	19.959	ug/l #	85
23) Vinyl Acetate	3.721	43	312408	95.755	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	52926	19.824	ug/l	96
25) 2-Butanone	4.562	43	112247	101.506	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	44186	18.532	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	35485	19.754	ug/l	88
28) Bromochloromethane	4.904	49	26928	22.578	ug/l #	75
29) Tetrahydrofuran	5.007	42	67435	95.624	ug/l #	79
30) Chloroform	5.093	83	58106	19.388	ug/l	97
31) Cyclohexane	5.464	56	40126	19.009	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	50505	18.805	ug/l	95
36) 1,1-Dichloropropene	5.696	75	38808	18.631	ug/l	97
37) Ethyl Acetate	4.715	43	41553	19.529	ug/l #	92
38) Carbon Tetrachloride	5.678	117	42379	18.730	ug/l	98
39) Methylcyclohexane	7.379	83	46571	21.280	ug/l	92
40) Benzene	6.038	78	121632	20.360	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21890	19.790	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	43335	18.498	ug/l	93
43) Isopropyl Acetate	6.342	43	65949	19.523	ug/l #	90
44) Trichloroethene	7.123	130	32898	19.421	ug/l	94
45) 1,2-Dichloropropane	7.434	63	30568	20.752	ug/l	98
46) Dibromomethane	7.580	93	22806	19.654	ug/l	92
47) Bromodichloromethane	7.824	83	42495	19.119	ug/l	92
48) Methyl methacrylate	7.696	41	30909	18.762	ug/l #	82
49) 1,4-Dioxane	7.659	88	18517	417.351	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	213030	103.853	ug/l	89
52) Toluene	8.720	92	78915	19.993	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	44314	18.725	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	49986	19.546	ug/l #	82
55) 1,1,2-Trichloroethane	9.153	97	34471	21.447	ug/l	97
56) Ethyl methacrylate	9.116	69	50022	19.870	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	56011	20.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	127118	105.218	ug/l	92
59) 2-Hexanone	9.433	43	163566	104.579	ug/l	85
60) Dibromochloromethane	9.519	129	33973	19.853	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36432	20.703	ug/l	100
64) Tetrachloroethene	9.275	164	26286	17.388	ug/l	99
65) Chlorobenzene	10.079	112	86210	19.683	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	33086	20.468	ug/l	99
67) Ethyl Benzene	10.195	91	151088	19.604	ug/l	99
68) m/p-Xylenes	10.299	106	118609	39.852	ug/l	96
69) o-Xylene	10.640	106	58714	19.995	ug/l	99
70) Styrene	10.653	104	97553	20.169	ug/l	97
71) Bromoform	10.799	173	23736	19.630	ug/l #	100
73) Isopropylbenzene	10.963	105	154075	20.008	ug/l	98
74) N-amyl acetate	10.842	43	55955	18.700	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	55770	21.505	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	44601m	19.767	ug/l	
77) Bromobenzene	11.201	156	36857	19.597	ug/l	92
78) n-propylbenzene	11.305	91	173376	20.219	ug/l	99
79) 2-Chlorotoluene	11.366	91	108399	19.782	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	131620	20.490	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	14330	17.739	ug/l	89
82) 4-Chlorotoluene	11.457	91	121906	19.273	ug/l	97
83) tert-Butylbenzene	11.713	119	135329	22.090	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	132106	20.349	ug/l	97
85) sec-Butylbenzene	11.890	105	162148	22.660	ug/l	99
86) p-Isopropyltoluene	12.012	119	135809	22.047	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	69573	19.759	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	69109	18.997	ug/l	98
89) n-Butylbenzene	12.335	91	109858	21.511	ug/l	99
90) Hexachloroethane	12.536	117	22524	21.907	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	71899	20.853	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12192	20.232	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	42774	21.202	ug/l	97
94) Hexachlorobutadiene	13.725	225	19451	24.957	ug/l	98
95) Naphthalene	13.774	128	152771	17.287	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	43884	21.894	ug/l	98

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

