

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038422.D
 Acq On : 23 Oct 2023 11:11
 Operator : JC/MD
 Sample : VX1023WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBS01

Quant Time: Oct 23 23:58:19 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	158292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	262538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117332	46.084	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.160%		
35) Dibromofluoromethane	5.385	113	96931	51.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.480%		
50) Toluene-d8	8.647	98	348002	48.141	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.280%		
62) 4-Bromofluorobenzene	11.079	95	134945	49.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32812	21.475	ug/l	99
3) Chloromethane	1.294	50	30967	19.885	ug/l	100
4) Vinyl Chloride	1.374	62	34709	20.102	ug/l	94
5) Bromomethane	1.605	94	33686	14.245	ug/l	96
6) Chloroethane	1.691	64	23521	18.636	ug/l	99
7) Trichlorofluoromethane	1.892	101	65600	19.235	ug/l	100
8) Diethyl Ether	2.130	74	22978	18.065	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	33434	22.456	ug/l	98
10) Methyl Iodide	2.453	142	40347	18.834	ug/l	95
11) Tert butyl alcohol	2.947	59	43542	69.464	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	30596	21.126	ug/l	91
13) Acrolein	2.233	56	37159	102.665	ug/l	100
14) Allyl chloride	2.666	41	48075	18.559	ug/l #	94
15) Acrylonitrile	3.062	53	110089	95.015	ug/l	100
16) Acetone	2.373	43	101023	95.073	ug/l	92
17) Carbon Disulfide	2.514	76	73643	17.643	ug/l	98
18) Methyl Acetate	2.697	43	92883	20.384	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	109943	19.061	ug/l	97
20) Methylene Chloride	2.788	84	38273	19.149	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	35201	19.631	ug/l	86
22) Diisopropyl ether	3.763	45	101549	18.705	ug/l #	87
23) Vinyl Acetate	3.721	43	360737	90.605	ug/l	95
24) 1,1-Dichloroethane	3.611	63	62711	19.033	ug/l	98
25) 2-Butanone	4.556	43	153077	89.286	ug/l	92
26) 2,2-Dichloropropane	4.477	77	51290	19.939	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	42081	19.705	ug/l	88
28) Bromochloromethane	4.897	49	28204	18.962	ug/l	84
29) Tetrahydrofuran	4.995	42	98110	87.895	ug/l	88
30) Chloroform	5.093	83	70910	19.681	ug/l	93
31) Cyclohexane	5.471	56	48960	17.749	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	60917	19.740	ug/l	97
36) 1,1-Dichloropropene	5.690	75	50041	19.182	ug/l	97
37) Ethyl Acetate	4.715	43	57405	18.529	ug/l	98
38) Carbon Tetrachloride	5.672	117	52086	20.296	ug/l	94
39) Methylcyclohexane	7.379	83	58650	19.194	ug/l	93
40) Benzene	6.037	78	145430	19.932	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27736	17.996	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	55981	19.203	ug/l	98
43) Isopropyl Acetate	6.336	43	85300	18.443	ug/l	96
44) Trichloroethene	7.123	130	40676	21.314	ug/l	96
45) 1,2-Dichloropropane	7.434	63	37750	19.990	ug/l	98
46) Dibromomethane	7.580	93	29228	19.956	ug/l	94
47) Bromodichloromethane	7.824	83	53093	20.377	ug/l	97
48) Methyl methacrylate	7.690	41	41776	18.921	ug/l #	85
49) 1,4-Dioxane	7.659	88	16065	295.267	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	308321	96.647	ug/l	97
52) Toluene	8.720	92	95912	20.180	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	54253	19.398	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	58862	20.032	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	41559	20.443	ug/l	97
56) Ethyl methacrylate	9.116	69	58870	18.887	ug/l	92
57) 1,3-Dichloropropane	9.305	76	66943	20.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	138686	90.645	ug/l	96
59) 2-Hexanone	9.427	43	246449	96.094	ug/l	96
60) Dibromochloromethane	9.519	129	41476	20.846	ug/l	100
61) 1,2-Dibromoethane	9.610	107	44277	20.140	ug/l	97
64) Tetrachloroethene	9.275	164	34431	20.641	ug/l	97
65) Chlorobenzene	10.079	112	106847	19.816	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	37631	20.639	ug/l	97
67) Ethyl Benzene	10.195	91	189009	19.639	ug/l	99
68) m/p-Xylenes	10.299	106	147937	39.753	ug/l	97
69) o-Xylene	10.640	106	70186	19.324	ug/l	99
70) Styrene	10.652	104	119065	20.130	ug/l	96
71) Bromoform	10.799	173	30151	19.668	ug/l #	100
73) Isopropylbenzene	10.963	105	192674	20.247	ug/l	100
74) N-amyl acetate	10.841	43	73923	18.191	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	71120	20.367	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	63642m	19.728	ug/l	
77) Bromobenzene	11.195	156	47012	20.235	ug/l	89
78) n-propylbenzene	11.305	91	226965	19.506	ug/l	99
79) 2-Chlorotoluene	11.366	91	131739	19.091	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	163395	19.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17647	18.719	ug/l	96
82) 4-Chlorotoluene	11.451	91	156883	19.212	ug/l	96
83) tert-Butylbenzene	11.713	119	161594	20.143	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	164714	20.122	ug/l	99
85) sec-Butylbenzene	11.890	105	207201	19.939	ug/l	100
86) p-Isopropyltoluene	12.006	119	174245	20.323	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	91821	19.677	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	96100	20.172	ug/l	98
89) n-Butylbenzene	12.329	91	162679	19.052	ug/l	96
90) Hexachloroethane	12.536	117	27587	19.406	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	91743	20.453	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15537	18.403	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	59783	19.871	ug/l	96
94) Hexachlorobutadiene	13.725	225	25255	20.857	ug/l	98
95) Naphthalene	13.774	128	199292	19.022	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	57329	19.680	ug/l	98

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

