

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037902.D
 Acq On : 26 Sep 2023 12:01
 Operator : JC/MD
 Sample : VX0926WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/27/2023
 Supervised By : Mahesh Dadoda 09/27/2023

Quant Time: Sep 27 01:12:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	224177	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	359885	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	148277	50.343	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.680%			
35) Dibromofluoromethane	5.391	113	126583	52.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.647	98	469272	52.449	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.900%			
62) 4-Bromofluorobenzene	11.079	95	180907	55.642	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	40151	16.992	ug/l	99
3) Chloromethane	1.300	50	41803	16.260	ug/l	95
4) Vinyl Chloride	1.374	62	47576	17.153	ug/l	99
5) Bromomethane	1.605	94	36697	18.481	ug/l	96
6) Chloroethane	1.691	64	32001	16.748	ug/l	98
7) Trichlorofluoromethane	1.892	101	83206	18.660	ug/l	99
8) Diethyl Ether	2.136	74	32248	18.667	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	44219	19.540	ug/l	96
10) Methyl Iodide	2.453	142	53669	17.921	ug/l	91
11) Tert butyl alcohol	2.953	59	54417	86.074	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	39190	17.919	ug/l	87
13) Acrolein	2.233	56	54883	87.874	ug/l	99
14) Allyl chloride	2.666	41	63526	17.440	ug/l #	96
15) Acrylonitrile	3.062	53	129856	92.382	ug/l	99
16) Acetone	2.380	43	120076	84.746	ug/l	90
17) Carbon Disulfide	2.514	76	87166	15.896	ug/l	99
18) Methyl Acetate	2.703	43	96281	18.837	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	153075	19.027	ug/l	96
20) Methylene Chloride	2.794	84	50706	19.341	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	45477	18.726	ug/l	85
22) Diisopropyl ether	3.763	45	143403	18.900	ug/l #	89
23) Vinyl Acetate	3.721	43	519961	93.168	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	84149	18.508	ug/l	98
25) 2-Butanone	4.556	43	174928	87.487	ug/l	94
26) 2,2-Dichloropropane	4.477	77	66839	18.193	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	55808	18.745	ug/l	89
28) Bromochloromethane	4.897	49	41620	19.622	ug/l #	80
29) Tetrahydrofuran	5.001	42	108110	86.926	ug/l	88
30) Chloroform	5.099	83	93804	19.152	ug/l	97
31) Cyclohexane	5.470	56	67572	17.875	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	78997	19.048	ug/l	97
36) 1,1-Dichloropropene	5.696	75	62468	18.832	ug/l	96
37) Ethyl Acetate	4.714	43	66470	18.227	ug/l	95
38) Carbon Tetrachloride	5.684	117	66783	19.242	ug/l	93
39) Methylcyclohexane	7.379	83	78210	18.577	ug/l	92
40) Benzene	6.043	78	191598	18.783	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	34540	18.576	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	71625	19.427	ug/l	96
43) Isopropyl Acetate	6.342	43	110932	19.024	ug/l	96
44) Trichloroethene	7.129	130	53132	18.704	ug/l	97
45) 1,2-Dichloropropane	7.427	63	50165	18.937	ug/l	97
46) Dibromomethane	7.580	93	37989	19.936	ug/l	94
47) Bromodichloromethane	7.824	83	68842	19.616	ug/l	97
48) Methyl methacrylate	7.696	41	52294	18.760	ug/l #	85
49) 1,4-Dioxane	7.659	88	26801	366.739	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	354173	95.732	ug/l	96
52) Toluene	8.720	92	127779	19.437	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	72295	19.701	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	79186	19.498	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	56083	20.234	ug/l	94
56) Ethyl methacrylate	9.116	69	79598	19.236	ug/l	91
57) 1,3-Dichloropropane	9.311	76	88636	19.762	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	180687	93.515	ug/l	98
59) 2-Hexanone	9.427	43	268901	93.351	ug/l	93
60) Dibromochloromethane	9.518	129	56638	20.512	ug/l	97
61) 1,2-Dibromoethane	9.610	107	58645	19.984	ug/l	100
64) Tetrachloroethene	9.275	164	45833	19.443	ug/l	99
65) Chlorobenzene	10.079	112	143114	19.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52836	19.997	ug/l	99
67) Ethyl Benzene	10.195	91	249459	19.299	ug/l	100
68) m/p-Xylenes	10.299	106	195073	39.055	ug/l	97
69) o-Xylene	10.640	106	94269	18.821	ug/l	99
70) Styrene	10.659	104	159666	19.856	ug/l	96
71) Bromoform	10.799	173	40654	19.478	ug/l #	100
73) Isopropylbenzene	10.963	105	254791	17.952	ug/l	98
74) N-amyl acetate	10.841	43	97929	17.037	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	90994	18.230	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	78455m	17.534	ug/l	
77) Bromobenzene	11.195	156	65394	18.615	ug/l	87
78) n-propylbenzene	11.305	91	304466	18.995	ug/l	99
79) 2-Chlorotoluene	11.366	91	177820	17.992	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	220254	18.376	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23147	16.571	ug/l	93
82) 4-Chlorotoluene	11.457	91	210080	18.881	ug/l	97
83) tert-Butylbenzene	11.713	119	222855	18.397	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	221595	18.582	ug/l	98
85) sec-Butylbenzene	11.890	105	283962	19.322	ug/l	100
86) p-Isopropyltoluene	12.006	119	237348	19.384	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	125475	19.161	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	129094	19.265	ug/l	98
89) n-Butylbenzene	12.335	91	220489	20.556	ug/l	97
90) Hexachloroethane	12.536	117	37888	18.263	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	124876	18.678	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18260	18.352	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	86054	21.851	ug/l	96
94) Hexachlorobutadiene	13.725	225	38595	20.986	ug/l	99
95) Naphthalene	13.774	128	261241	19.614	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83571	20.620	ug/l	99

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

