

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
 Data File : VX038521.D
 Acq On : 26 Oct 2023 16:32
 Operator : JC/MD
 Sample : VX1026WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2023
 Supervised By : Mahesh Dadoda 10/27/2023

Quant Time: Oct 27 05:18:53 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	188432	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	294323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	125187	41.305	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.600%		
35) Dibromofluoromethane	5.385	113	113559	53.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.100%		
50) Toluene-d8	8.647	98	384274	47.418	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.840%		
62) 4-Bromofluorobenzene	11.079	95	155899	50.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	36459	20.045	ug/l	96
3) Chloromethane	1.300	50	32577	17.573	ug/l	96
4) Vinyl Chloride	1.374	62	37337	18.165	ug/l	100
5) Bromomethane	1.605	94	41492	14.770	ug/l	99
6) Chloroethane	1.684	64	25936	17.125	ug/l	98
7) Trichlorofluoromethane	1.886	101	70310	17.318	ug/l	99
8) Diethyl Ether	2.130	74	26285	17.360	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	39565	22.324	ug/l	93
10) Methyl Iodide	2.453	142	49994	19.605	ug/l	93
11) Tert butyl alcohol	2.953	59	61442	84.494	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	34966	20.282	ug/l	81
13) Acrolein	2.233	56	60249	139.834	ug/l	98
14) Allyl chloride	2.660	41	54755	17.757	ug/l	# 95
15) Acrylonitrile	3.062	53	132985	96.418	ug/l	99
16) Acetone	2.379	43	124232	98.214	ug/l	# 89
17) Carbon Disulfide	2.508	76	79743	16.049	ug/l	100
18) Methyl Acetate	2.703	43	112127	20.671	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	131980	19.222	ug/l	96
20) Methylene Chloride	2.788	84	44970	18.901	ug/l	# 85
21) trans-1,2-Dichloroethene	3.093	96	40613	19.026	ug/l	85
22) Diisopropyl ether	3.757	45	116255	17.988	ug/l	# 96
23) Vinyl Acetate	3.721	43	418837	88.372	ug/l	# 93
24) 1,1-Dichloroethane	3.611	63	70638	18.010	ug/l	98
25) 2-Butanone	4.550	43	184658	90.479	ug/l	92
26) 2,2-Dichloropropane	4.477	77	54974	17.952	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	49147	19.332	ug/l	86
28) Bromochloromethane	4.897	49	31184	17.612	ug/l	# 70
29) Tetrahydrofuran	5.001	42	117281	88.264	ug/l	# 85
30) Chloroform	5.092	83	82886	19.325	ug/l	99
31) Cyclohexane	5.464	56	53527	16.301	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	69515	18.923	ug/l	98
36) 1,1-Dichloropropene	5.690	75	55382	18.937	ug/l	96
37) Ethyl Acetate	4.708	43	66252	19.075	ug/l	94
38) Carbon Tetrachloride	5.678	117	60008	20.858	ug/l	98
39) Methylcyclohexane	7.379	83	65965	19.257	ug/l	92
40) Benzene	6.037	78	165712	20.259	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	34145	19.762	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	63359	19.387	ug/l	96
43) Isopropyl Acetate	6.342	43	98255	18.950	ug/l #	94
44) Trichloroethene	7.129	130	48551	22.694	ug/l	98
45) 1,2-Dichloropropane	7.427	63	42684	20.162	ug/l	97
46) Dibromomethane	7.580	93	35766	21.782	ug/l	91
47) Bromodichloromethane	7.824	83	63562	21.760	ug/l	99
48) Methyl methacrylate	7.696	41	48286	19.508	ug/l #	84
49) 1,4-Dioxane	7.659	88	23341	382.668	ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	360604	100.828	ug/l	96
52) Toluene	8.720	92	111485	20.923	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	62260	19.857	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	66985	20.334	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	51577	22.631	ug/l	98
56) Ethyl methacrylate	9.116	69	70178	20.083	ug/l	91
57) 1,3-Dichloropropane	9.311	76	78516	21.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	147600	86.053	ug/l	94
59) 2-Hexanone	9.427	43	285529	99.309	ug/l	94
60) Dibromochloromethane	9.518	129	51798	23.222	ug/l	99
61) 1,2-Dibromoethane	9.610	107	54613	22.159	ug/l	100
64) Tetrachloroethene	9.275	164	42016	22.592	ug/l	96
65) Chlorobenzene	10.079	112	129330	21.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	47045	23.143	ug/l	97
67) Ethyl Benzene	10.195	91	217580	20.277	ug/l	98
68) m/p-Xylenes	10.299	106	171973	41.449	ug/l	96
69) o-Xylene	10.640	106	83551	20.633	ug/l	98
70) Styrene	10.652	104	140816	21.353	ug/l	95
71) Bromoform	10.799	173	40713	23.217	ug/l #	100
73) Isopropylbenzene	10.963	105	224787	19.788	ug/l	98
74) N-amyl acetate	10.841	43	85362	17.597	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	85618	20.540	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75062m	19.493	ug/l	
77) Bromobenzene	11.195	156	59268	21.370	ug/l	84
78) n-propylbenzene	11.305	91	263867	18.997	ug/l	98
79) 2-Chlorotoluene	11.366	91	153887	18.681	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	194079	19.803	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20382	18.242	ug/l	95
82) 4-Chlorotoluene	11.457	91	185061	18.985	ug/l	95
83) tert-Butylbenzene	11.713	119	196574	20.527	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	192241	19.674	ug/l	97
85) sec-Butylbenzene	11.890	105	240729	19.406	ug/l	98
86) p-Isopropyltoluene	12.006	119	207285	20.253	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	114987	20.642	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	119229	20.965	ug/l	97
89) n-Butylbenzene	12.335	91	182552	17.910	ug/l	96
90) Hexachloroethane	12.536	117	33310	19.630	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	113738	21.242	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19373	19.223	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	79424	22.116	ug/l	96
94) Hexachlorobutadiene	13.725	225	30798	21.307	ug/l	98
95) Naphthalene	13.774	128	247850	19.818	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	76306	21.944	ug/l	98

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

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