

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050724\
 Data File : VX041400.D
 Acq On : 07 May 2024 12:45
 Operator : JC/MD
 Sample : VX0507WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2024
 Supervised By : Mahesh Dadoda 05/08/2024

Quant Time: May 08 01:58:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	173513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	240892	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104742	55.450	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.900%			
35) Dibromofluoromethane	5.379	113	83871	51.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	8.647	98	290193	56.164	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.320%#			
62) 4-Bromofluorobenzene	11.079	95	92821	46.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	25662	17.999	ug/l	99
3) Chloromethane	1.300	50	28713	19.462	ug/l	100
4) Vinyl Chloride	1.374	62	29850	21.224	ug/l	99
5) Bromomethane	1.599	94	18283	20.736	ug/l	93
6) Chloroethane	1.666	64	17160	26.278	ug/l	97
7) Trichlorofluoromethane	1.873	101	46151	19.030	ug/l	98
8) Diethyl Ether	2.136	74	17812	20.838	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.318	101	25948	19.037	ug/l	88
10) Methyl Iodide	2.447	142	23258	15.854	ug/l	89
11) Tert butyl alcohol	2.983	59	38610	102.123	ug/l	# 93
12) 1,1-Dichloroethene	2.312	96	23546	17.512	ug/l	86
13) Acrolein	2.239	56	29299	97.685	ug/l	99
14) Allyl chloride	2.660	41	41395	18.324	ug/l	96
15) Acrylonitrile	3.062	53	83510	96.781	ug/l	99
16) Acetone	2.386	43	81788	95.914	ug/l	96
17) Carbon Disulfide	2.501	76	48539	15.357	ug/l	98
18) Methyl Acetate	2.703	43	38173	19.752	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	90542	18.472	ug/l	96
20) Methylene Chloride	2.782	84	28737	17.524	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	24753	16.473	ug/l	88
22) Diisopropyl ether	3.757	45	100537	21.000	ug/l	97
23) Vinyl Acetate	3.721	43	471407	110.074	ug/l	97
24) 1,1-Dichloroethane	3.605	63	49013	18.121	ug/l	97
25) 2-Butanone	4.556	43	146208	119.591	ug/l	98
26) 2,2-Dichloropropane	4.464	77	45311	20.037	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	37824	21.260	ug/l	90
28) Bromochloromethane	4.897	49	21939	22.728	ug/l	# 16
29) Tetrahydrofuran	5.007	42	90899	113.687	ug/l	95
30) Chloroform	5.086	83	61538	21.869	ug/l	99
31) Cyclohexane	5.458	56	45083	19.775	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	52811	20.628	ug/l	97
36) 1,1-Dichloropropene	5.684	75	37964	19.449	ug/l	96
37) Ethyl Acetate	4.714	43	54797	22.498	ug/l	99
38) Carbon Tetrachloride	5.665	117	44697	19.988	ug/l	95
39) Methylcyclohexane	7.372	83	48168	21.004	ug/l	95
40) Benzene	6.031	78	123483	20.520	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	29146	23.251	ug/l	95
42) 1,2-Dichloroethane	6.080	62	48842	22.147	ug/l	97
43) Isopropyl Acetate	6.336	43	82892	22.635	ug/l	98
44) Trichloroethene	7.123	130	33882	21.323	ug/l	88
45) 1,2-Dichloropropane	7.427	63	30558	22.728	ug/l	95
46) Dibromomethane	7.580	93	24344	22.745	ug/l #	79
47) Bromodichloromethane	7.818	83	44152	23.149	ug/l	97
48) Methyl methacrylate	7.689	41	40682	24.234	ug/l	96
49) 1,4-Dioxane	7.665	88	19482	536.773	ug/l #	86
51) 4-Methyl-2-Pentanone	8.573	43	286505	130.382	ug/l	100
52) Toluene	8.714	92	81114	22.035	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	43058	22.785	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	48107	22.943	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	34321	24.210	ug/l	98
56) Ethyl methacrylate	9.116	69	54446	24.816	ug/l	98
57) 1,3-Dichloropropane	9.305	76	56029	23.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	124185	116.737	ug/l	93
59) 2-Hexanone	9.427	43	221993	126.338	ug/l	99
60) Dibromochloromethane	9.518	129	37513	22.478	ug/l	98
61) 1,2-Dibromoethane	9.610	107	35669	22.871	ug/l	99
64) Tetrachloroethene	9.268	164	33473	20.641	ug/l	91
65) Chlorobenzene	10.079	112	94909	20.876	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	33936	21.126	ug/l	97
67) Ethyl Benzene	10.195	91	153154	20.419	ug/l	98
68) m/p-Xylenes	10.299	106	120938	40.264	ug/l	95
69) o-Xylene	10.640	106	60084	20.892	ug/l	96
70) Styrene	10.652	104	101822	21.576	ug/l	96
71) Bromoform	10.799	173	27179	18.906	ug/l #	96
73) Isopropylbenzene	10.957	105	135973	21.350	ug/l	96
74) N-amyl acetate	10.841	43	64986	23.355	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	46509	22.286	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39051m	22.966	ug/l	
77) Bromobenzene	11.195	156	38768	21.567	ug/l	79
78) n-propylbenzene	11.305	91	142208	21.259	ug/l	95
79) 2-Chlorotoluene	11.366	91	88991	20.645	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	109168	21.027	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	12162	19.483	ug/l	94
82) 4-Chlorotoluene	11.451	91	102742	20.995	ug/l	94
83) tert-Butylbenzene	11.713	119	118118	21.245	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	112101	21.459	ug/l	94
85) sec-Butylbenzene	11.890	105	137789	21.626	ug/l	96
86) p-Isopropyltoluene	12.006	119	120012	20.973	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	67881	20.776	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	68628	20.387	ug/l	95
89) n-Butylbenzene	12.335	91	91512	19.888	ug/l	97
90) Hexachloroethane	12.536	117	18850	19.698	ug/l	63
91) 1,2-Dichlorobenzene	12.335	146	70172	20.334	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10131	21.008	ug/l	62
93) 1,2,4-Trichlorobenzene	13.585	180	47382	19.642	ug/l	95
94) Hexachlorobutadiene	13.725	225	23357	19.390	ug/l	99
95) Naphthalene	13.774	128	147089	20.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	49399	20.037	ug/l	97

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

