

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031188.D
 Acq On : 08 Sep 2022 04:08
 Operator : JC/MD
 Sample : VX0907WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 04:42:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	42683	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	72908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	81071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65411	64.729	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.460%#			
35) Dibromofluoromethane	5.391	113	45231	56.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.860%			
50) Toluene-d8	8.647	98	153720	53.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	11.079	95	63899	60.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	17344	25.285	ug/l	96
3) Chloromethane	1.288	50	10838	20.562	ug/l	96
4) Vinyl Chloride	1.374	62	13581	21.827	ug/l	91
5) Bromomethane	1.612	94	8871	22.314	ug/l	85
6) Chloroethane	1.685	64	9107	26.091	ug/l	97
7) Trichlorofluoromethane	1.886	101	33331	24.583	ug/l	98
8) Diethyl Ether	2.130	74	8964	23.277	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	16239	21.180	ug/l	93
10) Methyl Iodide	2.453	142	17275	18.221	ug/l	# 82
11) Tert butyl alcohol	3.026	59	29700m	154.015	ug/l	
12) 1,1-Dichloroethene	2.319	96	16178	22.449	ug/l	89
13) Acrolein	2.240	56	15540	110.726	ug/l	98
14) Allyl chloride	2.666	41	20480	21.155	ug/l	# 76
15) Acrylonitrile	3.069	53	44018	114.395	ug/l	97
16) Acetone	2.392	43	42860	122.492	ug/l	90
17) Carbon Disulfide	2.508	76	39455	22.269	ug/l	97
18) Methyl Acetate	2.709	43	20839	23.006	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	60273	23.548	ug/l	92
20) Methylene Chloride	2.788	84	18157	22.079	ug/l	# 88
21) trans-1,2-Dichloroethene	3.093	96	17307	21.675	ug/l	95
22) Diisopropyl ether	3.758	45	45369	22.318	ug/l	# 86
23) Vinyl Acetate	3.721	43	194207	113.816	ug/l	96
24) 1,1-Dichloroethane	3.611	63	31438	23.315	ug/l	96
25) 2-Butanone	4.568	43	57443	110.834	ug/l	93
26) 2,2-Dichloropropane	4.483	77	20794	17.234	ug/l	76
27) cis-1,2-Dichloroethene	4.495	96	19913	21.722	ug/l	97
28) Bromochloromethane	4.904	49	11084	22.670	ug/l	# 77
29) Tetrahydrofuran	5.013	42	33078	108.101	ug/l	# 77
30) Chloroform	5.105	83	36272	22.741	ug/l	100
31) Cyclohexane	5.471	56	24646	21.825	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	34564	24.044	ug/l	98
36) 1,1-Dichloropropene	5.696	75	25616	21.529	ug/l	96
37) Ethyl Acetate	4.727	43	21752	20.608	ug/l	# 94
38) Carbon Tetrachloride	5.684	117	29875	23.865	ug/l	98
39) Methylcyclohexane	7.379	83	27987	20.595	ug/l	95
40) Benzene	6.044	78	66783	20.662	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	11059	20.037	ug/l #	79
42) 1,2-Dichloroethane	6.092	62	32860	24.831	ug/l	93
43) Isopropyl Acetate	6.349	43	35725	21.467	ug/l	95
44) Trichloroethene	7.129	130	18015	19.828	ug/l	82
45) 1,2-Dichloropropane	7.434	63	16272	20.485	ug/l	91
46) Dibromomethane	7.586	93	13883	22.041	ug/l	94
47) Bromodichloromethane	7.824	83	28468	23.234	ug/l	97
48) Methyl methacrylate	7.696	41	17544	21.649	ug/l #	84
49) 1,4-Dioxane	7.708	88	9525	425.762	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	111462	109.376	ug/l	92
52) Toluene	8.720	92	45278	21.239	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	28123	22.033	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	29377	21.438	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	18889	21.551	ug/l	96
56) Ethyl methacrylate	9.116	69	28602	22.150	ug/l	92
57) 1,3-Dichloropropane	9.311	76	30884	20.393	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	60186	98.894	ug/l	94
59) 2-Hexanone	9.433	43	86471	112.206	ug/l	95
60) Dibromochloromethane	9.525	129	20150	22.299	ug/l	97
61) 1,2-Dibromoethane	9.610	107	20130	20.667	ug/l	97
64) Tetrachloroethene	9.275	164	15885	18.822	ug/l	94
65) Chlorobenzene	10.080	112	48427	20.288	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	18957	20.333	ug/l	96
67) Ethyl Benzene	10.195	91	92118	21.296	ug/l	99
68) m/p-Xylenes	10.305	106	69169	43.137	ug/l	90
69) o-Xylene	10.640	106	34255	21.405	ug/l	89
70) Styrene	10.659	104	56126	21.871	ug/l	93
71) Bromoform	10.799	173	13842	22.283	ug/l #	98
73) Isopropylbenzene	10.964	105	90087	20.441	ug/l	98
74) N-amyl acetate	10.848	43	28062	20.000	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.214	83	28287	20.561	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	26663m	19.250	ug/l	
77) Bromobenzene	11.201	156	20114	20.999	ug/l	95
78) n-propylbenzene	11.305	91	102281	20.360	ug/l	100
79) 2-Chlorotoluene	11.366	91	65795	21.140	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	75544	20.390	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	7497	17.455	ug/l	90
82) 4-Chlorotoluene	11.457	91	73515	20.416	ug/l	93
83) tert-Butylbenzene	11.713	119	74438	20.381	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	77204	21.434	ug/l	95
85) sec-Butylbenzene	11.890	105	91506	20.229	ug/l	98
86) p-Isopropyltoluene	12.012	119	76539	20.944	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	38111	21.408	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	37401	20.430	ug/l	97
89) n-Butylbenzene	12.335	91	63140	20.039	ug/l	99
90) Hexachloroethane	12.536	117	13295	21.174	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	36801	21.080	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7227	19.127	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	21925	21.476	ug/l	98
94) Hexachlorobutadiene	13.725	225	8383	19.338	ug/l	91
95) Naphthalene	13.774	128	83936	20.988	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	23524	22.633	ug/l	99

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

