

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040398.D
 Acq On : 22 Feb 2024 13:50
 Operator : JC/MD
 Sample : VX0222WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0222WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 00:06:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	74081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65020	58.996	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.000%#			
35) Dibromofluoromethane	5.385	113	48162	53.954	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.900%			
50) Toluene-d8	8.646	98	173350	51.914	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.820%			
62) 4-Bromofluorobenzene	11.079	95	67531	49.588	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17338	20.719	ug/l	98
3) Chloromethane	1.294	50	16873	19.553	ug/l	100
4) Vinyl Chloride	1.373	62	17244	18.910	ug/l	96
5) Bromomethane	1.605	94	12058	23.432	ug/l	96
6) Chloroethane	1.684	64	10727	18.652	ug/l	94
7) Trichlorofluoromethane	1.886	101	29101	19.872	ug/l	94
8) Diethyl Ether	2.129	74	11100	20.177	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	16348	20.811	ug/l	98
10) Methyl Iodide	2.452	142	17489	20.054	ug/l	95
11) Tert butyl alcohol	2.952	59	24296	113.176	ug/l #	90
12) 1,1-Dichloroethene	2.318	96	14828	19.605	ug/l	97
13) Acrolein	2.233	56	20415	103.030	ug/l	97
14) Allyl chloride	2.666	41	28802	21.944	ug/l	97
15) Acrylonitrile	3.062	53	55460	115.463	ug/l	98
16) Acetone	2.373	43	61213	135.234	ug/l	95
17) Carbon Disulfide	2.513	76	30871	15.460	ug/l	99
18) Methyl Acetate	2.702	43	26819	22.102	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	59953	22.500	ug/l	98
20) Methylene Chloride	2.788	84	19028	21.515	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	15575	18.081	ug/l	95
22) Diisopropyl ether	3.757	45	63422	23.826	ug/l	94
23) Vinyl Acetate	3.721	43	280167	118.065	ug/l	99
24) 1,1-Dichloroethane	3.605	63	33946	21.892	ug/l	98
25) 2-Butanone	4.556	43	81484	115.164	ug/l	99
26) 2,2-Dichloropropane	4.470	77	26642	22.320	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	20488	20.849	ug/l	100
28) Bromochloromethane	4.897	49	16638	25.273	ug/l	99
29) Tetrahydrofuran	5.001	42	51868	112.522	ug/l	98
30) Chloroform	5.092	83	37909	22.612	ug/l	97
31) Cyclohexane	5.470	56	25128	19.115	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	30084	21.331	ug/l	98
36) 1,1-Dichloropropene	5.690	75	24864	19.884	ug/l	99
37) Ethyl Acetate	4.714	43	28689	20.619	ug/l	98
38) Carbon Tetrachloride	5.678	117	23303	19.600	ug/l	99
39) Methylcyclohexane	7.378	83	25982	17.879	ug/l	99
40) Benzene	6.037	78	69747	19.946	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	18050	24.471	ug/l	98
42) 1,2-Dichloroethane	6.086	62	30752	22.499	ug/l	98
43) Isopropyl Acetate	6.336	43	47937	22.070	ug/l	98
44) Trichloroethene	7.122	130	19055	19.755	ug/l	96
45) 1,2-Dichloropropane	7.427	63	20017	21.993	ug/l	99
46) Dibromomethane	7.580	93	13919	20.765	ug/l	98
47) Bromodichloromethane	7.823	83	27956	21.644	ug/l	91
48) Methyl methacrylate	7.689	41	23901	21.506	ug/l	94
49) 1,4-Dioxane	7.659	88	9335	386.100	ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	168278	113.477	ug/l	99
52) Toluene	8.720	92	43509	18.996	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	28048	19.327	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	30568	21.117	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	20130	20.606	ug/l	98
56) Ethyl methacrylate	9.116	69	30599	20.922	ug/l	96
57) 1,3-Dichloropropane	9.305	76	34259	21.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	60909	88.038	ug/l	95
59) 2-Hexanone	9.427	43	132241	112.475	ug/l	98
60) Dibromochloromethane	9.518	129	20250	20.346	ug/l	98
61) 1,2-Dibromoethane	9.610	107	20512	19.753	ug/l	99
64) Tetrachloroethene	9.274	164	15550	18.411	ug/l	95
65) Chlorobenzene	10.079	112	49021	19.488	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	17705	20.323	ug/l	96
67) Ethyl Benzene	10.195	91	90057	20.102	ug/l	98
68) m/p-Xylenes	10.299	106	65665	38.810	ug/l	96
69) o-Xylene	10.640	106	33015	20.080	ug/l	94
70) Styrene	10.652	104	54303	19.865	ug/l	97
71) Bromoform	10.799	173	13593	17.917	ug/l #	94
73) Isopropylbenzene	10.963	105	88239	20.512	ug/l	100
74) N-amyl acetate	10.841	43	40554	21.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34203	22.130	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27858m	22.524	ug/l	
77) Bromobenzene	11.195	156	20898	20.568	ug/l	97
78) n-propylbenzene	11.305	91	108897	20.909	ug/l	98
79) 2-Chlorotoluene	11.366	91	64640	20.554	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	76565	21.141	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	7557	19.489	ug/l	92
82) 4-Chlorotoluene	11.451	91	76490	20.527	ug/l	99
83) tert-Butylbenzene	11.713	119	72843	20.515	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	74561	20.349	ug/l	99
85) sec-Butylbenzene	11.890	105	94407	20.689	ug/l	98
86) p-Isopropyltoluene	12.006	119	75599	20.211	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	41587	20.658	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	40786	19.133	ug/l	98
89) n-Butylbenzene	12.335	91	73912	20.470	ug/l	96
90) Hexachloroethane	12.536	117	11786	19.976	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	40003	20.526	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7123	19.969	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	26317	19.724	ug/l	98
94) Hexachlorobutadiene	13.725	225	10176	19.110	ug/l	98
95) Naphthalene	13.774	128	86526	20.533	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	26405	20.762	ug/l	99

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

