

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040564.D
 Acq On : 04 Mar 2024 13:24
 Operator : JC/MD
 Sample : VX0304WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/05/2024
 Supervised By : Mahesh Dadoda 03/05/2024

Quant Time: Mar 05 00:23:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	78099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66993	51.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.580%			
35) Dibromofluoromethane	5.379	113	46747	52.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	8.647	98	162859	50.230	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.460%			
62) 4-Bromofluorobenzene	11.079	95	66283	53.630	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18222	18.748	ug/l	98
3) Chloromethane	1.294	50	16795	17.422	ug/l	97
4) Vinyl Chloride	1.374	62	18067	17.331	ug/l	99
5) Bromomethane	1.605	94	12676	21.880	ug/l	97
6) Chloroethane	1.685	64	10570	16.021	ug/l	92
7) Trichlorofluoromethane	1.886	101	27798	16.883	ug/l	98
8) Diethyl Ether	2.130	74	10287	17.874	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	18343	20.697	ug/l	96
10) Methyl Iodide	2.447	142	18099	21.820	ug/l	98
11) Tert butyl alcohol	2.959	59	27309	124.365	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	15735	17.684	ug/l	87
13) Acrolein	2.233	56	16112	114.446	ug/l	97
14) Allyl chloride	2.660	41	29560	18.989	ug/l	92
15) Acrylonitrile	3.062	53	57962	105.229	ug/l	98
16) Acetone	2.374	43	58036	136.238	ug/l	98
17) Carbon Disulfide	2.508	76	36112	14.656	ug/l	97
18) Methyl Acetate	2.697	43	30608	23.306	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	62716	20.664	ug/l	98
20) Methylene Chloride	2.788	84	18918	18.558	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	17300	18.231	ug/l	98
22) Diisopropyl ether	3.764	45	60508	19.342	ug/l	89
23) Vinyl Acetate	3.721	43	285360	99.582	ug/l	100
24) 1,1-Dichloroethane	3.611	63	34129	18.709	ug/l	99
25) 2-Butanone	4.550	43	85352	114.998	ug/l	97
26) 2,2-Dichloropropane	4.477	77	28414	19.563	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	20281	18.269	ug/l	96
28) Bromochloromethane	4.891	49	14336	18.787	ug/l	95
29) Tetrahydrofuran	5.001	42	54484	105.227	ug/l	97
30) Chloroform	5.086	83	38588	19.929	ug/l	94
31) Cyclohexane	5.464	56	26705	18.045	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	33281	20.138	ug/l	99
36) 1,1-Dichloropropene	5.690	75	25979	18.878	ug/l	99
37) Ethyl Acetate	4.708	43	32466	21.556	ug/l	99
38) Carbon Tetrachloride	5.678	117	27461	20.656	ug/l	96
39) Methylcyclohexane	7.379	83	28673	19.298	ug/l	95
40) Benzene	6.037	78	71610	19.219	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	17262	20.519	ug/l #	92
42) 1,2-Dichloroethane	6.080	62	33888	21.975	ug/l	98
43) Isopropyl Acetate	6.336	43	51689	21.872	ug/l	97
44) Trichloroethene	7.123	130	19732	19.692	ug/l	91
45) 1,2-Dichloropropane	7.427	63	19777	19.833	ug/l	97
46) Dibromomethane	7.580	93	15160	20.679	ug/l	97
47) Bromodichloromethane	7.818	83	30664	21.243	ug/l	96
48) Methyl methacrylate	7.690	41	27305	23.116	ug/l	98
49) 1,4-Dioxane	7.653	88	11266	504.193	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	176146	112.734	ug/l	98
52) Toluene	8.714	92	45379	19.845	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	30120	20.561	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	31870	20.240	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	19035	20.059	ug/l	97
56) Ethyl methacrylate	9.116	69	28908	19.703	ug/l #	94
57) 1,3-Dichloropropane	9.305	76	31062	18.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	69366	90.168	ug/l	96
59) 2-Hexanone	9.427	43	123956	103.184	ug/l	98
60) Dibromochloromethane	9.519	129	19356	18.779	ug/l	98
61) 1,2-Dibromoethane	9.610	107	19769	19.091	ug/l	99
64) Tetrachloroethene	9.269	164	16177	20.647	ug/l	97
65) Chlorobenzene	10.079	112	46235	19.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	17254	20.625	ug/l	97
67) Ethyl Benzene	10.195	91	83826	19.291	ug/l	100
68) m/p-Xylenes	10.299	106	66094	40.732	ug/l	94
69) o-Xylene	10.640	106	33882	21.832	ug/l	94
70) Styrene	10.653	104	56776	21.945	ug/l	97
71) Bromoform	10.799	173	15654	22.859	ug/l #	95
73) Isopropylbenzene	10.963	105	92335	20.142	ug/l	100
74) N-amyl acetate	10.842	43	42900	20.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	34347	20.718	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30237m	22.072	ug/l	
77) Bromobenzene	11.195	156	22004	20.300	ug/l	97
78) n-propylbenzene	11.305	91	114105	20.067	ug/l	98
79) 2-Chlorotoluene	11.360	91	68221	19.930	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	79222	20.320	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	8412	20.381	ug/l	89
82) 4-Chlorotoluene	11.451	91	79478	20.079	ug/l	99
83) tert-Butylbenzene	11.713	119	76094	20.702	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	79329	20.508	ug/l	99
85) sec-Butylbenzene	11.890	105	99826	20.673	ug/l	98
86) p-Isopropyltoluene	12.006	119	80153	20.138	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41637	19.271	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	43417	19.740	ug/l	98
89) n-Butylbenzene	12.335	91	78236	19.979	ug/l	96
90) Hexachloroethane	12.536	117	13521	20.411	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	41621	20.215	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9039	23.387	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28287	21.051	ug/l	96
94) Hexachlorobutadiene	13.725	225	10946	19.932	ug/l	98
95) Naphthalene	13.774	128	91894	21.401	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	25836	20.227	ug/l	97

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

