

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040295.D
 Acq On : 17 Feb 2024 12:30
 Operator : JC/MD
 Sample : VX0217WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0217WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 19 03:55:06 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	5.544	168	64796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	105462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	44463	46.125	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.240%		
35) Dibromofluoromethane	5.385	113	36466	49.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	8.647	98	132204	47.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.980%		
62) 4-Bromofluorobenzene	11.079	95	52663	46.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.740%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	15018	20.518	ug/l	99
3) Chloromethane	1.294	50	13777	18.253	ug/l	96
4) Vinyl Chloride	1.374	62	15460	19.383	ug/l	94
5) Bromomethane	1.605	94	10992	24.421	ug/l	94
6) Chloroethane	1.685	64	9471	18.828	ug/l	98
7) Trichlorofluoromethane	1.886	101	25508	19.914	ug/l	99
8) Diethyl Ether	2.130	74	9262	19.249	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	14667	21.347	ug/l	99
10) Methyl Iodide	2.453	142	16437	21.548	ug/l	93
11) Tert butyl alcohol	2.946	59	20545	109.417	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	13104	19.808	ug/l	89
13) Acrolein	2.233	56	18485	106.658	ug/l	99
14) Allyl chloride	2.660	41	21976	19.142	ug/l	95
15) Acrylonitrile	3.062	53	46270	110.134	ug/l	99
16) Acetone	2.373	43	43290	109.343	ug/l	97
17) Carbon Disulfide	2.514	76	30379	17.394	ug/l	99
18) Methyl Acetate	2.697	43	20277	19.105	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	48181	20.673	ug/l	97
20) Methylene Chloride	2.788	84	15376	19.752	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	14070	18.675	ug/l	92
22) Diisopropyl ether	3.751	45	47712	20.492	ug/l #	81
23) Vinyl Acetate	3.721	43	216512	104.314	ug/l	98
24) 1,1-Dichloroethane	3.605	63	27230	20.078	ug/l	99
25) 2-Butanone	4.550	43	64939	104.933	ug/l	91
26) 2,2-Dichloropropane	4.477	77	20242	19.388	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	17257	20.078	ug/l	93
28) Bromochloromethane	4.891	49	11951	20.755	ug/l	95
29) Tetrahydrofuran	4.995	42	42610	105.683	ug/l	94
30) Chloroform	5.086	83	29789	20.315	ug/l	99
31) Cyclohexane	5.470	56	21943	19.084	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	24000	19.456	ug/l	98
36) 1,1-Dichloropropene	5.696	75	19756	19.149	ug/l	96
37) Ethyl Acetate	4.708	43	23910	20.828	ug/l	97
38) Carbon Tetrachloride	5.672	117	19499	19.878	ug/l	94
39) Methylcyclohexane	7.379	83	23926	19.955	ug/l	93
40) Benzene	6.031	78	59259	20.540	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	13177	21.653	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	23884	21.179	ug/l	99
43) Isopropyl Acetate	6.336	43	38712	21.602	ug/l	99
44) Trichloroethene	7.123	130	15574	19.570	ug/l	99
45) 1,2-Dichloropropane	7.427	63	15499	20.639	ug/l	93
46) Dibromomethane	7.580	93	11919	21.551	ug/l	96
47) Bromodichloromethane	7.818	83	22968	21.553	ug/l	95
48) Methyl methacrylate	7.690	41	18879	20.589	ug/l	90
49) 1,4-Dioxane	7.653	88	9566	479.548	ug/l #	88
51) 4-Methyl-2-Pentanone	8.567	43	134819	110.191	ug/l	100
52) Toluene	8.714	92	39154	20.719	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	22798	19.068	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	25249	21.141	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	17106	21.223	ug/l	97
56) Ethyl methacrylate	9.116	69	24857	20.600	ug/l	93
57) 1,3-Dichloropropane	9.305	76	27905	21.211	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	59414	104.087	ug/l	98
59) 2-Hexanone	9.427	43	105766	109.032	ug/l	98
60) Dibromochloromethane	9.518	129	17600	21.432	ug/l	97
61) 1,2-Dibromoethane	9.610	107	18015	21.027	ug/l	97
64) Tetrachloroethene	9.269	164	14767	20.878	ug/l	95
65) Chlorobenzene	10.079	112	42848	20.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	15484	21.223	ug/l	98
67) Ethyl Benzene	10.189	91	78590	20.948	ug/l	100
68) m/p-Xylenes	10.299	106	59202	41.782	ug/l	100
69) o-Xylene	10.640	106	28999	21.061	ug/l	97
70) Styrene	10.652	104	46881	20.479	ug/l	98
71) Bromoform	10.799	173	12185	19.036	ug/l #	94
73) Isopropylbenzene	10.957	105	77260	20.736	ug/l	98
74) N-amyl acetate	10.841	43	33941	21.252	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	29780	22.247	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	23965m	22.371	ug/l	
77) Bromobenzene	11.195	156	18311	20.808	ug/l	98
78) n-propylbenzene	11.305	91	96821	21.464	ug/l	97
79) 2-Chlorotoluene	11.366	91	57552	21.128	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	65646	20.928	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	6659	19.766	ug/l	94
82) 4-Chlorotoluene	11.451	91	65131	20.181	ug/l	98
83) tert-Butylbenzene	11.713	119	64018	20.817	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	65822	20.741	ug/l	98
85) sec-Butylbenzene	11.890	105	84740	21.441	ug/l	100
86) p-Isopropyltoluene	12.006	119	69210	21.363	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	37345	21.418	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	38184	20.681	ug/l	98
89) n-Butylbenzene	12.335	91	66310	21.203	ug/l	95
90) Hexachloroethane	12.536	117	10304	20.164	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	35678	21.137	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6907	22.356	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	23846	20.635	ug/l	96
94) Hexachlorobutadiene	13.725	225	9800	21.248	ug/l	97
95) Naphthalene	13.774	128	77740	21.300	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	23636	21.458	ug/l	99

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

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