

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038972.D
 Acq On : 20 Nov 2023 20:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 21 00:26:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	117623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	222152	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97732	51.565	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.140%			
35) Dibromofluoromethane	5.385	113	76562	47.719	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.440%			
50) Toluene-d8	8.647	98	285511	46.510	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.020%			
62) 4-Bromofluorobenzene	11.079	95	115513	47.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69261	50.465	ug/l	98
3) Chloromethane	1.294	50	75564	42.183	ug/l	98
4) Vinyl Chloride	1.374	62	77570	44.954	ug/l	98
5) Bromomethane	1.599	94	46331	64.941	ug/l	100
6) Chloroethane	1.685	64	48189	48.937	ug/l	96
7) Trichlorofluoromethane	1.886	101	112578	51.414	ug/l	98
8) Diethyl Ether	2.136	74	45536	47.747	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	66187	45.580	ug/l	95
10) Methyl Iodide	2.453	142	75169	42.531	ug/l	93
11) Tert butyl alcohol	2.959	59	132660	251.657	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	65531	44.700	ug/l	92
13) Acrolein	2.233	56	75898	272.140	ug/l	100
14) Allyl chloride	2.660	41	139096	47.389	ug/l	94
15) Acrylonitrile	3.062	53	270024	242.422	ug/l	99
16) Acetone	2.374	43	264447	262.101	ug/l	92
17) Carbon Disulfide	2.508	76	178243	39.251	ug/l	98
18) Methyl Acetate	2.703	43	254905	53.189	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	256202	49.687	ug/l	98
20) Methylene Chloride	2.788	84	82021	45.097	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	72355	44.730	ug/l	96
22) Diisopropyl ether	3.757	45	265645	49.334	ug/l	90
23) Vinyl Acetate	3.721	43	937599	241.770	ug/l	100
24) 1,1-Dichloroethane	3.611	63	143252	47.573	ug/l	99
25) 2-Butanone	4.550	43	405417	247.787	ug/l	99
26) 2,2-Dichloropropane	4.471	77	120404	46.097	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	88068	46.707	ug/l	96
28) Bromochloromethane	4.897	49	73019	50.507	ug/l	99
29) Tetrahydrofuran	5.001	42	259411	249.707	ug/l	98
30) Chloroform	5.093	83	146301	49.757	ug/l	100
31) Cyclohexane	5.471	56	123823	45.758	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	126332	49.605	ug/l	99
36) 1,1-Dichloropropene	5.690	75	104840	45.592	ug/l	99
37) Ethyl Acetate	4.708	43	143757	47.984	ug/l	99
38) Carbon Tetrachloride	5.678	117	105523	49.651	ug/l	96
39) Methylcyclohexane	7.379	83	128450	42.824	ug/l	96
40) Benzene	6.037	78	315629	46.407	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	74232	47.773	ug/l	92
42) 1,2-Dichloroethane	6.086	62	116126	51.534	ug/l	99
43) Isopropyl Acetate	6.336	43	229862	48.009	ug/l	99
44) Trichloroethene	7.123	130	80002	48.325	ug/l	97
45) 1,2-Dichloropropane	7.427	63	86149	47.069	ug/l	98
46) Dibromomethane	7.580	93	60567	49.622	ug/l	97
47) Bromodichloromethane	7.818	83	118056	48.732	ug/l	99
48) Methyl methacrylate	7.690	41	109634	47.194	ug/l	94
49) 1,4-Dioxane	7.659	88	45607	1014.784	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	763303	249.465	ug/l	100
52) Toluene	8.720	92	195731	46.376	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	133248	46.285	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	139244	46.825	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	84701	48.097	ug/l	95
56) Ethyl methacrylate	9.116	69	141916	47.629	ug/l	96
57) 1,3-Dichloropropane	9.305	76	140517	48.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	328948	236.987	ug/l	95
59) 2-Hexanone	9.427	43	608605	248.159	ug/l	98
60) Dibromochloromethane	9.519	129	88156	49.232	ug/l	99
61) 1,2-Dibromoethane	9.610	107	88408	47.841	ug/l	100
64) Tetrachloroethene	9.275	164	61560	47.769	ug/l	97
65) Chlorobenzene	10.079	112	209954	47.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	76587	47.673	ug/l	96
67) Ethyl Benzene	10.195	91	388978	47.406	ug/l	99
68) m/p-Xylenes	10.299	106	293763	94.644	ug/l	99
69) o-Xylene	10.640	106	144206	46.953	ug/l	100
70) Styrene	10.653	104	245916	47.411	ug/l	99
71) Bromoform	10.799	173	65264	48.731	ug/l #	100
73) Isopropylbenzene	10.963	105	378693	44.906	ug/l	99
74) N-amyl acetate	10.842	43	198390	44.503	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	145108	44.080	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	126135m	46.709	ug/l	
77) Bromobenzene	11.195	156	86134	45.456	ug/l	98
78) n-propylbenzene	11.305	91	468049	45.091	ug/l	98
79) 2-Chlorotoluene	11.366	91	272426	44.223	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	328429	46.319	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	49152	40.373	ug/l	85
82) 4-Chlorotoluene	11.451	91	320065	45.060	ug/l	100
83) tert-Butylbenzene	11.713	119	318839	45.657	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	328248	45.737	ug/l	99
85) sec-Butylbenzene	11.890	105	415238	45.458	ug/l	99
86) p-Isopropyltoluene	12.006	119	332376	45.328	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	169368	45.644	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	172750	45.487	ug/l	100
89) n-Butylbenzene	12.329	91	324027	43.798	ug/l	98
90) Hexachloroethane	12.536	117	65180	44.512	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	165032	46.892	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37436	46.416	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	106233	45.044	ug/l	97
94) Hexachlorobutadiene	13.725	225	36679	43.917	ug/l	99
95) Naphthalene	13.774	128	393246	44.770	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	102717	45.945	ug/l	99

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

