

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021223\
 Data File : VX034133.D
 Acq On : 10 Feb 2023 22:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:43:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	119631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164420	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59680	51.747	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.500%			
35) Dibromofluoromethane	5.385	113	51711	49.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	8.647	98	179380	47.579	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	11.079	95	66353	49.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	48232	49.596	ug/l	99
3) Chloromethane	1.295	50	37616	40.988	ug/l	96
4) Vinyl Chloride	1.374	62	40555	42.196	ug/l	98
5) Bromomethane	1.605	94	23102	46.679	ug/l	99
6) Chloroethane	1.685	64	23550	44.311	ug/l	100
7) Trichlorofluoromethane	1.886	101	76998	50.352	ug/l	96
8) Diethyl Ether	2.130	74	23950	45.535	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	47532	46.556	ug/l	92
10) Methyl Iodide	2.453	142	67574	46.719	ug/l	95
11) Tert butyl alcohol	2.959	59	48181	298.186	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	44443	45.373	ug/l	93
13) Acrolein	2.233	56	46778	215.844	ug/l	99
14) Allyl chloride	2.666	41	71548	44.800	ug/l	94
15) Acrylonitrile	3.063	53	120221	231.947	ug/l	99
16) Acetone	2.374	43	105544	216.674	ug/l	99
17) Carbon Disulfide	2.514	76	104382	42.002	ug/l	98
18) Methyl Acetate	2.697	43	74672	49.281	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	157634	52.188	ug/l	98
20) Methylene Chloride	2.788	84	50287	45.125	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	49848	46.724	ug/l	98
22) Diisopropyl ether	3.758	45	144413	45.822	ug/l	93
23) Vinyl Acetate	3.721	43	571078	237.957	ug/l	96
24) 1,1-Dichloroethane	3.611	63	87109	47.951	ug/l	98
25) 2-Butanone	4.550	43	159911	225.452	ug/l	96
26) 2,2-Dichloropropane	4.477	77	63782	48.132	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	58071	47.321	ug/l	96
28) Bromochloromethane	4.898	49	37868	47.413	ug/l	82
29) Tetrahydrofuran	4.995	42	101100	224.110	ug/l	90
30) Chloroform	5.093	83	94417	49.870	ug/l	97
31) Cyclohexane	5.471	56	72953	43.436	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	87784	53.839	ug/l	96
36) 1,1-Dichloropropene	5.696	75	67740	47.215	ug/l	98
37) Ethyl Acetate	4.709	43	64152	47.999	ug/l	99
38) Carbon Tetrachloride	5.678	117	80847	52.835	ug/l	100
39) Methylcyclohexane	7.379	83	80406	44.523	ug/l	94
40) Benzene	6.038	78	196044	47.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	35458	47.142	ug/l	95
42) 1,2-Dichloroethane	6.086	62	76244	54.051	ug/l	99
43) Isopropyl Acetate	6.336	43	104540	50.155	ug/l	97
44) Trichloroethene	7.123	130	62399	48.909	ug/l	94
45) 1,2-Dichloropropane	7.428	63	48182	47.011	ug/l	95
46) Dibromomethane	7.580	93	36983	50.366	ug/l	94
47) Bromodichloromethane	7.818	83	72905	52.397	ug/l	98
48) Methyl methacrylate	7.690	41	53203	49.437	ug/l	92
49) 1,4-Dioxane	7.665	88	24621	1188.560	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	315204	241.090	ug/l	97
52) Toluene	8.714	92	130197	48.396	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	73652	52.657	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	80183	50.386	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	53374	49.670	ug/l	96
56) Ethyl methacrylate	9.116	69	76657	51.077	ug/l	96
57) 1,3-Dichloropropane	9.305	76	85025	48.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	170406	244.033	ug/l	95
59) 2-Hexanone	9.427	43	231345	241.796	ug/l	97
60) Dibromochloromethane	9.519	129	62956	52.862	ug/l	99
61) 1,2-Dibromoethane	9.610	107	57932	50.137	ug/l	98
64) Tetrachloroethene	9.275	164	57314	47.518	ug/l	98
65) Chlorobenzene	10.080	112	144634	48.481	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	58180	51.608	ug/l	99
67) Ethyl Benzene	10.195	91	248344	49.182	ug/l	99
68) m/p-Xylenes	10.299	106	194978	96.602	ug/l	98
69) o-Xylene	10.640	106	97051	50.066	ug/l	99
70) Styrene	10.653	104	159750	50.036	ug/l	98
71) Bromoform	10.799	173	50834	55.280	ug/l #	99
73) Isopropylbenzene	10.964	105	254452	48.948	ug/l	100
74) N-amyl acetate	10.842	43	87321	50.989	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	73966	47.289	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	60418m	45.237	ug/l	
77) Bromobenzene	11.195	156	70112	48.639	ug/l	95
78) n-propylbenzene	11.305	91	278614	48.473	ug/l	99
79) 2-Chlorotoluene	11.366	91	168007	48.274	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	214952	49.677	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21103	48.660	ug/l	98
82) 4-Chlorotoluene	11.451	91	194468	49.405	ug/l	99
83) tert-Butylbenzene	11.713	119	223729	50.047	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	214225	49.556	ug/l	98
85) sec-Butylbenzene	11.890	105	262507	49.080	ug/l	100
86) p-Isopropyltoluene	12.006	119	233209	49.713	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	127671	48.268	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	129002	48.038	ug/l	100
89) n-Butylbenzene	12.335	91	181198	49.266	ug/l	99
90) Hexachloroethane	12.536	117	37671	51.010	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	124759	48.363	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16368	53.218	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	90946	49.897	ug/l	99
94) Hexachlorobutadiene	13.725	225	43494	48.209	ug/l	99
95) Naphthalene	13.774	128	255488	51.018	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91707	50.089	ug/l	100

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

