

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034336.D
 Acq On : 06 Mar 2023 09:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 07 00:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2023
 Supervised By : Semsettin Yesilyurt 03/07/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	330070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	546709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	500457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	249816	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	227117	51.092	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.180%	
35) Dibromofluoromethane	5.385	113	186036	52.263	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	8.647	98	672668	52.634	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.260%	
62) 4-Bromofluorobenzene	11.079	95	275632	56.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.760%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.167	85	128448	45.035	ug/l	99
3) Chloromethane	1.301	50	176161	42.920	ug/l	98
4) Vinyl Chloride	1.374	62	175610	46.981	ug/l	98
5) Bromomethane	1.599	94	89571	65.219	ug/l	98
6) Chloroethane	1.685	64	102569	54.582	ug/l	100
7) Trichlorofluoromethane	1.886	101	271321	53.652	ug/l	100
8) Diethyl Ether	2.130	74	100232	49.197	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	158895	44.616	ug/l	95
10) Methyl Iodide	2.453	142	193443	44.611	ug/l	95
11) Tert butyl alcohol	2.953	59	196330	197.467	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	153020	42.862	ug/l	94
13) Acrolein	2.233	56	123934	273.072	ug/l	98
14) Allyl chloride	2.660	41	311330	41.111	ug/l	91
15) Acrylonitrile	3.063	53	489947	225.890	ug/l	100
16) Acetone	2.374	43	499286	217.736	ug/l	95
17) Carbon Disulfide	2.508	76	417902	40.714	ug/l	100
18) Methyl Acetate	2.703	43	321961	45.376	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	572669	45.449	ug/l	99
20) Methylene Chloride	2.788	84	177321	42.917	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	170008	45.445	ug/l	100
22) Diisopropyl ether	3.757	45	640955	48.277	ug/l	94
23) Vinyl Acetate	3.715	43	2509862	235.956	ug/l	98
24) 1,1-Dichloroethane	3.605	63	326208	44.756	ug/l	100
25) 2-Butanone	4.550	43	738959	222.719	ug/l	98
26) 2,2-Dichloropropane	4.471	77	287152	43.491	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	200754	45.318	ug/l	93
28) Bromochloromethane	4.891	49	177365	54.551	ug/l	87
29) Tetrahydrofuran	4.995	42	460719	227.621	ug/l	98
30) Chloroform	5.087	83	332504	47.509	ug/l	98
31) Cyclohexane	5.465	56	300310	45.249	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	289879	46.204	ug/l	99
36) 1,1-Dichloropropene	5.690	75	243032	46.166	ug/l	98
37) Ethyl Acetate	4.709	43	280599	47.694	ug/l	98
38) Carbon Tetrachloride	5.672	117	251611	46.448	ug/l	96
39) Methylcyclohexane	7.379	83	308966	45.607	ug/l	99
40) Benzene	6.038	78	724482	46.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	156190	47.649	ug/l	99
42) 1,2-Dichloroethane	6.086	62	268015	48.847	ug/l	97
43) Isopropyl Acetate	6.336	43	487043	46.912	ug/l	99
44) Trichloroethene	7.123	130	188732	47.142	ug/l	92
45) 1,2-Dichloropropane	7.428	63	194854	46.919	ug/l	98
46) Dibromomethane	7.580	93	131049	47.947	ug/l	87
47) Bromodichloromethane	7.818	83	265840	47.395	ug/l	98
48) Methyl methacrylate	7.690	41	233574	47.400	ug/l	97
49) 1,4-Dioxane	7.653	88	86459	879.641	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	1413852	247.521	ug/l	99
52) Toluene	8.714	92	463191	49.000	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	316071	48.954	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	321531	46.518	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	191508	50.191	ug/l	99
56) Ethyl methacrylate	9.116	69	317636	49.210	ug/l	95
57) 1,3-Dichloropropane	9.305	76	329424	49.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	708029	253.220	ug/l	94
59) 2-Hexanone	9.427	43	1090550	250.518	ug/l	97
60) Dibromochloromethane	9.519	129	207763	49.280	ug/l	98
61) 1,2-Dibromoethane	9.610	107	200973	49.804	ug/l	99
64) Tetrachloroethene	9.269	164	156605	44.337	ug/l	93
65) Chlorobenzene	10.080	112	489842	46.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	191705	47.469	ug/l	98
67) Ethyl Benzene	10.195	91	897338	47.879	ug/l	98
68) m/p-Xylenes	10.299	106	682660	95.182	ug/l	94
69) o-Xylene	10.640	106	340046	47.624	ug/l	94
70) Styrene	10.653	104	563054	48.486	ug/l	95
71) Bromoform	10.799	173	156102	47.355	ug/l	100
73) Isopropylbenzene	10.964	105	885718	46.521	ug/l	99
74) N-amyl acetate	10.842	43	443770	46.395	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	294724	45.259	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	254516m	40.489	ug/l	
77) Bromobenzene	11.195	156	212762	46.437	ug/l	82
78) n-propylbenzene	11.305	91	1047946	47.327	ug/l	97
79) 2-Chlorotoluene	11.366	91	632743	46.602	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	747244	46.682	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	106852	43.667	ug/l	94
82) 4-Chlorotoluene	11.451	91	731503	47.302	ug/l	94
83) tert-Butylbenzene	11.713	119	742476	45.289	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	748447	46.243	ug/l	98
85) sec-Butylbenzene	11.890	105	925293	46.477	ug/l	98
86) p-Isopropyltoluene	12.006	119	782313	47.481	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	402973	46.897	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	399453	46.089	ug/l	96
89) n-Butylbenzene	12.329	91	695135	47.369	ug/l	98
90) Hexachloroethane	12.536	117	153097	44.441	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	394174	46.885	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	67674	43.580	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	249140	46.158	ug/l	98
94) Hexachlorobutadiene	13.725	225	99950	44.669	ug/l	98
95) Naphthalene	13.774	128	824321	45.335	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	242220	45.202	ug/l	97

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

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