

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021023\
 Data File : VX034090.D
 Acq On : 08 Feb 2023 17:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 09 04:54:55 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Semsettin Yesilyurt 02/09/2023

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	140269	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	186185	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	165219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65565	48.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.980%		
35) Dibromofluoromethane	5.379	113	59606	50.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.600%		
50) Toluene-d8	8.647	98	208123	48.749	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	78951	51.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59711	52.366	ug/l	99
3) Chloromethane	1.294	50	52404	48.700	ug/l	100
4) Vinyl Chloride	1.374	62	51717	45.893	ug/l	98
5) Bromomethane	1.599	94	31722	54.665	ug/l	94
6) Chloroethane	1.685	64	29404	47.186	ug/l	97
7) Trichlorofluoromethane	1.886	101	89269	49.788	ug/l	98
8) Diethyl Ether	2.130	74	28874	46.820	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	59871	50.014	ug/l	92
10) Methyl Iodide	2.453	142	81015	47.770	ug/l	93
11) Tert butyl alcohol	2.947	59	47605	251.273	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	54609	47.549	ug/l	88
13) Acrolein	2.233	56	53977	212.417	ug/l	99
14) Allyl chloride	2.660	41	89179	47.624	ug/l	91
15) Acrylonitrile	3.056	53	145726	239.788	ug/l	100
16) Acetone	2.374	43	141744	248.176	ug/l	95
17) Carbon Disulfide	2.508	76	131257	45.045	ug/l	98
18) Methyl Acetate	2.697	43	88807	49.986	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	182237	51.457	ug/l	99
20) Methylene Chloride	2.788	84	60610	46.386	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	59869	47.861	ug/l	94
22) Diisopropyl ether	3.757	45	175845	47.586	ug/l	86
23) Vinyl Acetate	3.715	43	690329	245.324	ug/l	96
24) 1,1-Dichloroethane	3.605	63	104318	48.976	ug/l	98
25) 2-Butanone	4.544	43	196834	236.678	ug/l	94
26) 2,2-Dichloropropane	4.471	77	80679	51.926	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	69614	48.381	ug/l	96
28) Bromochloromethane	4.897	49	44302	47.307	ug/l	86
29) Tetrahydrofuran	4.995	42	123641	233.752	ug/l	93
30) Chloroform	5.086	83	109381	49.273	ug/l	100
31) Cyclohexane	5.464	56	93414	47.435	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	99290	51.936	ug/l	97
36) 1,1-Dichloropropene	5.690	75	82627	50.859	ug/l	99
37) Ethyl Acetate	4.702	43	75109	49.628	ug/l	98
38) Carbon Tetrachloride	5.678	117	91685	52.914	ug/l	95
39) Methylcyclohexane	7.379	83	104036	50.873	ug/l	95
40) Benzene	6.031	78	235162	50.027	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	44232	51.933	ug/l	96
42) 1,2-Dichloroethane	6.080	62	85704	53.655	ug/l	100
43) Isopropyl Acetate	6.330	43	123217	52.205	ug/l	97
44) Trichloroethene	7.123	130	73165	50.643	ug/l	99
45) 1,2-Dichloropropane	7.427	63	58869	50.723	ug/l	99
46) Dibromomethane	7.580	93	43145	51.889	ug/l	94
47) Bromodichloromethane	7.818	83	83938	53.274	ug/l	99
48) Methyl methacrylate	7.690	41	63929	52.460	ug/l	95
49) 1,4-Dioxane	7.653	88	24098	1027.321	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	378050	255.356	ug/l	97
52) Toluene	8.714	92	155797	51.142	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	87188	55.047	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	95690	53.102	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	62782	51.596	ug/l	98
56) Ethyl methacrylate	9.116	69	91654	53.930	ug/l	96
57) 1,3-Dichloropropane	9.305	76	102144	51.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	207566	262.501	ug/l	96
59) 2-Hexanone	9.427	43	279558	258.031	ug/l	97
60) Dibromochloromethane	9.519	129	72310	53.619	ug/l	100
61) 1,2-Dibromoethane	9.610	107	67468	51.564	ug/l	97
64) Tetrachloroethene	9.269	164	69023	50.032	ug/l	97
65) Chlorobenzene	10.079	112	174111	51.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	68002	52.737	ug/l	98
67) Ethyl Benzene	10.189	91	298350	51.658	ug/l	99
68) m/p-Xylenes	10.299	106	237908	103.053	ug/l	100
69) o-Xylene	10.640	106	115053	51.891	ug/l	99
70) Styrene	10.653	104	195484	53.532	ug/l	99
71) Bromoform	10.799	173	57693	54.852	ug/l #	98
73) Isopropylbenzene	10.963	105	308985	50.169	ug/l	100
74) N-amyl acetate	10.842	43	104158	51.335	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	89362	48.222	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81946m	51.787	ug/l	
77) Bromobenzene	11.195	156	84084	49.234	ug/l	96
78) n-propylbenzene	11.305	91	344459	50.583	ug/l	99
79) 2-Chlorotoluene	11.366	91	203913	49.454	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	260134	50.743	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25859	50.327	ug/l	97
82) 4-Chlorotoluene	11.451	91	233890	50.153	ug/l	99
83) tert-Butylbenzene	11.713	119	265424	50.114	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	259691	50.705	ug/l	100
85) sec-Butylbenzene	11.890	105	321653	50.759	ug/l	99
86) p-Isopropyltoluene	12.006	119	287627	51.751	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	156884	50.063	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	158976	49.968	ug/l	99
89) n-Butylbenzene	12.335	91	230974	53.006	ug/l	99
90) Hexachloroethane	12.536	117	45392	51.879	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	151639	49.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19153	52.561	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	111426	51.599	ug/l	99
94) Hexachlorobutadiene	13.725	225	55217	51.658	ug/l	98
95) Naphthalene	13.774	128	305297	51.457	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	109915	50.672	ug/l	99

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

