

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063023\
 Data File : VX036381.D
 Acq On : 30 Jun 2023 09:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 01 01:14:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	215311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	357892	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	325516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	146315	47.407	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.820%		
35) Dibromofluoromethane	5.379	113	120180	50.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.860%		
50) Toluene-d8	8.647	98	432206	49.036	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.079	95	157651	50.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	97060	47.615	ug/l	97
3) Chloromethane	1.294	50	133076	37.634	ug/l	100
4) Vinyl Chloride	1.374	62	204765	52.967	ug/l	98
5) Bromomethane	1.618	94	160675	56.801	ug/l	99
6) Chloroethane	1.691	64	128529	45.288	ug/l	96
7) Trichlorofluoromethane	1.886	101	266179	45.289	ug/l	100
8) Diethyl Ether	2.130	74	98780	43.537	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	122223	49.549	ug/l	96
10) Methyl Iodide	2.453	142	145938	48.827	ug/l	92
11) Tert butyl alcohol	3.014	59	140695	250.436	ug/l	96
12) 1,1-Dichloroethene	2.319	96	113604	46.427	ug/l	90
13) Acrolein	2.239	56	161811	209.721	ug/l	100
14) Allyl chloride	2.666	41	196230	49.346	ug/l	96
15) Acrylonitrile	3.068	53	318503	223.668	ug/l	99
16) Acetone	2.398	43	378834	287.172	ug/l	93
17) Carbon Disulfide	2.514	76	261206	43.465	ug/l	99
18) Methyl Acetate	2.703	43	249332	45.961	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	401569	50.781	ug/l	99
20) Methylene Chloride	2.788	84	129457	45.577	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	119635	45.817	ug/l	95
22) Diisopropyl ether	3.757	45	402962	50.571	ug/l #	84
23) Vinyl Acetate	3.721	43	1453865	251.421	ug/l	97
24) 1,1-Dichloroethane	3.605	63	231607	49.320	ug/l	99
25) 2-Butanone	4.556	43	481649	254.114	ug/l	96
26) 2,2-Dichloropropane	4.465	77	198674	59.652	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	147899	50.505	ug/l	92
28) Bromochloromethane	4.891	49	113740	46.701	ug/l	89
29) Tetrahydrofuran	5.007	42	273671	226.786	ug/l	95
30) Chloroform	5.086	83	240387	50.823	ug/l	97
31) Cyclohexane	5.471	56	184749	46.712	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	207845	52.607	ug/l	99
36) 1,1-Dichloropropene	5.684	75	169209	48.103	ug/l	97
37) Ethyl Acetate	4.708	43	172795	48.196	ug/l	98
38) Carbon Tetrachloride	5.672	117	179068	55.736	ug/l	97
39) Methylcyclohexane	7.379	83	208000	49.368	ug/l	93
40) Benzene	6.031	78	502480	51.135	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	96267	48.402	ug/l	94
42) 1,2-Dichloroethane	6.080	62	192837	51.594	ug/l	98
43) Isopropyl Acetate	6.330	43	293968	51.398	ug/l	97
44) Trichloroethene	7.123	130	137525	50.317	ug/l	96
45) 1,2-Dichloropropane	7.427	63	137544	51.394	ug/l	97
46) Dibromomethane	7.574	93	98802	52.447	ug/l	94
47) Bromodichloromethane	7.818	83	189252	55.552	ug/l	97
48) Methyl methacrylate	7.690	41	144723	50.749	ug/l	91
49) 1,4-Dioxane	7.720	88	62823	993.740	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	903114	245.090	ug/l	98
52) Toluene	8.714	92	317822	51.036	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	206816	60.098	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	224236	57.642	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	134515	51.974	ug/l	94
56) Ethyl methacrylate	9.116	69	209347	54.079	ug/l	96
57) 1,3-Dichloropropane	9.305	76	231209	52.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	526101	241.826	ug/l	100
59) 2-Hexanone	9.427	43	707693	263.000	ug/l	97
60) Dibromochloromethane	9.519	129	146427	58.231	ug/l	100
61) 1,2-Dibromoethane	9.610	107	142251	51.792	ug/l	100
64) Tetrachloroethene	9.269	164	121637	52.922	ug/l	99
65) Chlorobenzene	10.079	112	353342	51.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	133348	57.653	ug/l	98
67) Ethyl Benzene	10.189	91	623188	51.227	ug/l	99
68) m/p-Xylenes	10.299	106	488641	103.386	ug/l	95
69) o-Xylene	10.640	106	238366	52.225	ug/l	97
70) Styrene	10.653	104	392057	52.463	ug/l	96
71) Bromoform	10.799	173	99984	60.268	ug/l #	99
73) Isopropylbenzene	10.963	105	614451	50.270	ug/l	97
74) N-amyl acetate	10.841	43	256157	52.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	204367	49.374	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	168532m	48.714	ug/l	
77) Bromobenzene	11.195	156	149332	49.686	ug/l	93
78) n-propylbenzene	11.305	91	724703	50.768	ug/l	99
79) 2-Chlorotoluene	11.360	91	423112	49.827	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	523141	50.539	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	62189	58.596	ug/l	89
82) 4-Chlorotoluene	11.451	91	493799	49.948	ug/l	96
83) tert-Butylbenzene	11.713	119	502638	50.668	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	517167	50.500	ug/l	95
85) sec-Butylbenzene	11.890	105	631050	50.213	ug/l	98
86) p-Isopropyltoluene	12.006	119	534717	50.698	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	281419	50.928	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	280613	49.872	ug/l	98
89) n-Butylbenzene	12.329	91	490098	52.213	ug/l	97
90) Hexachloroethane	12.536	117	91398	57.215	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	280190	51.496	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41995	53.415	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	185734	55.420	ug/l	96
94) Hexachlorobutadiene	13.725	225	71343	51.978	ug/l	99
95) Naphthalene	13.774	128	593471	53.602	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	178872	54.716	ug/l	98

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

