

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062123\
 Data File : VX036257.D
 Acq On : 21 Jun 2023 09:42
 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 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 04:59:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	152805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	258770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	227999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113534	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	127899	45.802	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.600%
35) Dibromofluoromethane	5.379	113	92140	52.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.020%
50) Toluene-d8	8.647	98	327118	50.963	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.920%
62) 4-Bromofluorobenzene	11.079	95	125575	48.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.940%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	77893	41.529	ug/l	95
3) Chloromethane	1.294	50	79917	40.272	ug/l	100
4) Vinyl Chloride	1.374	62	79314	41.954	ug/l	99
5) Bromomethane	1.617	94	56570	48.679	ug/l	99
6) Chloroethane	1.691	64	64793	52.969	ug/l	98
7) Trichlorofluoromethane	1.886	101	138783	45.363	ug/l	99
8) Diethyl Ether	2.130	74	52532	46.132	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	93206	53.422	ug/l	98
10) Methyl Iodide	2.453	142	101463	56.400	ug/l	95
11) Tert butyl alcohol	3.001	59	103176	241.685	ug/l	98
12) 1,1-Dichloroethene	2.319	96	86581	52.479	ug/l	99
13) Acrolein	2.239	56	115456	243.535	ug/l	99
14) Allyl chloride	2.666	41	171307	51.316	ug/l	97
15) Acrylonitrile	3.068	53	270997	248.150	ug/l	99
16) Acetone	2.392	43	304297	262.289	ug/l	97
17) Carbon Disulfide	2.514	76	215380	52.815	ug/l	99
18) Methyl Acetate	2.703	43	213622	48.550	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	318764	49.355	ug/l	98
20) Methylene Chloride	2.788	84	102641	48.831	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	93992	51.276	ug/l	94
22) Diisopropyl ether	3.751	45	345485	52.008	ug/l	97
23) Vinyl Acetate	3.721	43	1230636	261.385	ug/l	100
24) 1,1-Dichloroethane	3.605	63	187478	51.080	ug/l	100
25) 2-Butanone	4.556	43	407935	251.160	ug/l	99
26) 2,2-Dichloropropane	4.471	77	148816	52.140	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	107945	51.497	ug/l	98
28) Bromochloromethane	4.897	49	100437	52.494	ug/l	95
29) Tetrahydrofuran	5.007	42	247631	240.058	ug/l	98
30) Chloroform	5.086	83	187311	48.458	ug/l	98
31) Cyclohexane	5.470	56	161170	53.802	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	159602	48.701	ug/l	98
36) 1,1-Dichloropropene	5.690	75	138337	53.519	ug/l	100
37) Ethyl Acetate	4.708	43	145932	48.457	ug/l	99
38) Carbon Tetrachloride	5.672	117	131862	52.477	ug/l	97
39) Methylcyclohexane	7.379	83	163634	58.779	ug/l	98
40) Benzene	6.031	78	388489	53.445	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	84505	50.896	ug/l	99
42) 1,2-Dichloroethane	6.080	62	160870	49.126	ug/l	99
43) Isopropyl Acetate	6.336	43	244982	53.155	ug/l	99
44) Trichloroethene	7.123	130	96677	53.224	ug/l	99
45) 1,2-Dichloropropane	7.427	63	103870	53.749	ug/l	98
46) Dibromomethane	7.580	93	71687	52.072	ug/l	98
47) Bromodichloromethane	7.818	83	136883	51.791	ug/l	99
48) Methyl methacrylate	7.690	41	121091	51.210	ug/l	98
49) 1,4-Dioxane	7.708	88	45038	1137.612	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	741663	254.855	ug/l	98
52) Toluene	8.714	92	238057	52.309	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	146140	53.682	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	161176	55.210	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	93371	49.697	ug/l	91
56) Ethyl methacrylate	9.116	69	150693	53.096	ug/l	94
57) 1,3-Dichloropropane	9.305	76	168520	50.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	408653	261.240	ug/l	97
59) 2-Hexanone	9.427	43	574725	265.643	ug/l	99
60) Dibromochloromethane	9.518	129	93430	50.949	ug/l	100
61) 1,2-Dibromoethane	9.610	107	99712	50.901	ug/l	99
64) Tetrachloroethene	9.275	164	79000	55.691	ug/l	98
65) Chlorobenzene	10.079	112	245820	52.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	88226	54.113	ug/l	98
67) Ethyl Benzene	10.189	91	457006	54.163	ug/l	98
68) m/p-Xylenes	10.299	106	343873	108.020	ug/l	99
69) o-Xylene	10.640	106	167999	53.489	ug/l	100
70) Styrene	10.652	104	279650	53.436	ug/l	99
71) Bromoform	10.799	173	60731	54.106	ug/l #	100
73) Isopropylbenzene	10.963	105	451726	53.621	ug/l	99
74) N-amyl acetate	10.841	43	211185	55.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	150293	52.102	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	129877m	48.201	ug/l	
77) Bromobenzene	11.195	156	102962	52.165	ug/l	100
78) n-propylbenzene	11.305	91	555758	56.078	ug/l	99
79) 2-Chlorotoluene	11.366	91	321056	51.505	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	383206	53.419	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	42474	55.175	ug/l	97
82) 4-Chlorotoluene	11.451	91	377191	51.934	ug/l	100
83) tert-Butylbenzene	11.713	119	367404	53.874	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	386183	53.972	ug/l	98
85) sec-Butylbenzene	11.890	105	479932	56.519	ug/l	100
86) p-Isopropyltoluene	12.006	119	401694	56.226	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	199680	53.048	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	199363	51.707	ug/l	99
89) n-Butylbenzene	12.329	91	378942	59.434	ug/l	98
90) Hexachloroethane	12.536	117	64404	57.470	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	191348	51.795	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30467	47.885	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	115407	55.109	ug/l	99
94) Hexachlorobutadiene	13.725	225	45593	55.073	ug/l	99
95) Naphthalene	13.774	128	395147	54.703	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	114313	54.434	ug/l	99

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

