

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037005.D
 Acq On : 16 Aug 2023 10:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 04:04:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/17/2023
 Supervised By : Mahesh Dadoda 08/17/2023

08/17/2023
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105447	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	95473	49.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.260%
35) Dibromofluoromethane	5.379	113	78463	50.919	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.840%
50) Toluene-d8	8.647	98	245723	44.967	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.940%#
62) 4-Bromofluorobenzene	11.079	95	105604	51.223	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.440%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	85150	49.083	ug/l	97
3) Chloromethane	1.300	50	68276	43.270	ug/l	99
4) Vinyl Chloride	1.374	62	77280	48.105	ug/l	99
5) Bromomethane	1.599	94	54926	57.268	ug/l	99
6) Chloroethane	1.678	64	51261	65.631	ug/l	100
7) Trichlorofluoromethane	1.886	101	143443	57.820	ug/l	99
8) Diethyl Ether	2.136	74	57189	59.584	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	82275	55.200	ug/l	98
10) Methyl Iodide	2.453	142	100767	65.090	ug/l	95
11) Tert butyl alcohol	2.965	59	122071	265.359	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	75576	51.395	ug/l	85
13) Acrolein	2.239	56	69765	265.737	ug/l	98
14) Allyl chloride	2.660	41	128224	44.282	ug/l #	95
15) Acrylonitrile	3.062	53	250606	270.889	ug/l	99
16) Acetone	2.380	43	233461	289.539	ug/l	91
17) Carbon Disulfide	2.508	76	170208	41.939	ug/l	99
18) Methyl Acetate	2.703	43	179127	52.808	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	328589	59.464	ug/l	98
20) Methylene Chloride	2.788	84	91767	51.174	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	87439	53.204	ug/l	86
22) Diisopropyl ether	3.757	45	275308	50.075	ug/l #	91
23) Vinyl Acetate	3.721	43	1083582	256.936	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	162370	52.675	ug/l	97
25) 2-Butanone	4.550	43	353209	269.995	ug/l	90
26) 2,2-Dichloropropane	4.471	77	153216	52.750	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	108553	55.611	ug/l	91
28) Bromochloromethane	4.891	49	67039	44.969	ug/l #	79
29) Tetrahydrofuran	5.001	42	217009	257.295	ug/l #	85
30) Chloroform	5.092	83	184943	58.644	ug/l	98
31) Cyclohexane	5.470	56	121398	45.123	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	162035	56.074	ug/l	98
36) 1,1-Dichloropropene	5.690	75	121746	53.008	ug/l	98
37) Ethyl Acetate	4.708	43	133314	51.283	ug/l #	95
38) Carbon Tetrachloride	5.672	117	140002	57.336	ug/l	99
39) Methylcyclohexane	7.379	83	128885	45.129	ug/l	91
40) Benzene	6.037	78	360941	54.015	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.916	41	75212	54.096	ug/l	#	91
42) 1,2-Dichloroethane	6.086	62	151379	61.961	ug/l		97
43) Isopropyl Acetate	6.336	43	228365	51.033	ug/l	#	93
44) Trichloroethene	7.123	130	100066	57.290	ug/l		100
45) 1,2-Dichloropropane	7.427	63	94585	53.015	ug/l		98
46) Dibromomethane	7.580	93	75107	60.151	ug/l		95
47) Bromodichloromethane	7.818	83	148938	58.111	ug/l		98
48) Methyl methacrylate	7.690	41	109467	52.602	ug/l	#	87
49) 1,4-Dioxane	7.659	88	47724	1135.192	ug/l	#	89
51) 4-Methyl-2-Pentanone	8.574	43	668145	269.812	ug/l		93
52) Toluene	8.714	92	236194	56.411	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	165223	57.036	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	170575	55.802	ug/l	#	89
55) 1,1,2-Trichloroethane	9.153	97	104162	59.181	ug/l		97
56) Ethyl methacrylate	9.116	69	164239	57.306	ug/l		90
57) 1,3-Dichloropropane	9.305	76	172555	58.862	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	382385	270.780	ug/l		94
59) 2-Hexanone	9.427	43	506925	275.826	ug/l		91
60) Dibromochloromethane	9.518	129	118723	61.372	ug/l		99
61) 1,2-Dibromoethane	9.610	107	113543	62.245	ug/l		99
64) Tetrachloroethene	9.275	164	88643	58.792	ug/l		96
65) Chlorobenzene	10.079	112	255996	57.453	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	104952	60.940	ug/l		99
67) Ethyl Benzene	10.195	91	452435	55.582	ug/l		99
68) m/p-Xylenes	10.299	106	348454	114.733	ug/l		98
69) o-Xylene	10.640	106	173420	57.206	ug/l		99
70) Styrene	10.652	104	292890	58.559	ug/l		98
71) Bromoform	10.799	173	84394	60.536	ug/l	#	100
73) Isopropylbenzene	10.963	105	442471	50.703	ug/l		99
74) N-amyl acetate	10.841	43	186463	45.820	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.213	83	154764	52.508	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	136584m	55.069	ug/l		
77) Bromobenzene	11.195	156	111232	55.970	ug/l		93
78) n-propylbenzene	11.305	91	499793	49.521	ug/l		99
79) 2-Chlorotoluene	11.366	91	315432	51.578	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	376880	51.624	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	52629	48.095	ug/l		86
82) 4-Chlorotoluene	11.451	91	368045	52.818	ug/l		99
83) tert-Butylbenzene	11.713	119	357886	49.901	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	379656	52.000	ug/l		97
85) sec-Butylbenzene	11.890	105	428474	47.905	ug/l		99
86) p-Isopropyltoluene	12.006	119	366590	49.811	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	204961	55.683	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	207192	56.720	ug/l		99
89) n-Butylbenzene	12.329	91	311604	47.297	ug/l		99
90) Hexachloroethane	12.536	117	64311	43.104	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	204586	57.598	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36955	53.955	ug/l		84
93) 1,2,4-Trichlorobenzene	13.585	180	122153	55.819	ug/l		97
94) Hexachlorobutadiene	13.725	225	47231	52.169	ug/l		99
95) Naphthalene	13.774	128	462909	60.701	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	122669	56.873	ug/l		99

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

