

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010423\
 Data File : VX033615.D
 Acq On : 04 Jan 2023 13:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 05 04:17:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:12:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/05/2023
 Supervised By : Mahesh Dadoda 01/05/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	201084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	295754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117901	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	319935	140.942	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 281.880%#	
35) Dibromofluoromethane	5.385	113	277558	142.780	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 285.560%#	
50) Toluene-d8	8.653	98	1001188	144.093	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 288.180%#	
62) 4-Bromofluorobenzene	11.079	95	284793	115.636	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 231.280%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	245304m	152.895	ug/l	
3) Chloromethane	1.301	50	279404	136.897	ug/l	99
4) Vinyl Chloride	1.374	62	260439	143.864	ug/l	97
5) Bromomethane	1.618	94	144188	142.436	ug/l	95
6) Chloroethane	1.691	64	129728	124.364	ug/l	97
7) Trichlorofluoromethane	1.880	101	388885	151.844	ug/l	100
8) Diethyl Ether	2.130	74	119516	148.379	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	182069	134.431	ug/l	100
10) Methyl Iodide	2.453	142	356835	152.711	ug/l	100
11) Tert butyl alcohol	3.008	59	266195m	715.235	ug/l	
12) 1,1-Dichloroethene	2.319	96	170738	135.331	ug/l	96
13) Acrolein	2.239	56	161401	656.701	ug/l	99
14) Allyl chloride	2.666	41	460939	146.932	ug/l	97
15) Acrylonitrile	3.069	53	709365	703.282	ug/l	99
16) Acetone	2.398	43	536375	612.777	ug/l	98
17) Carbon Disulfide	2.508	76	647351	156.190	ug/l	99
18) Methyl Acetate	2.709	43	446085	141.779	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	849247	143.840	ug/l	98
20) Methylene Chloride	2.788	84	269304	118.691	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	263685	142.117	ug/l	95
22) Diisopropyl ether	3.764	45	886910	140.314	ug/l	89
23) Vinyl Acetate	3.721	43	3533320	727.959	ug/l	99
24) 1,1-Dichloroethane	3.611	63	479729	140.274	ug/l	99
25) 2-Butanone	4.568	43	1015783	685.760	ug/l	98
26) 2,2-Dichloropropane	4.477	77	373131	157.818	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	308635	143.420	ug/l	100
28) Bromochloromethane	4.898	49	189066	136.094	ug/l	97
29) Tetrahydrofuran	5.013	42	656456	698.313	ug/l	99
30) Chloroform	5.093	83	487154	139.435	ug/l	99
31) Cyclohexane	5.471	56	441162	139.609	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	438760	145.240	ug/l	98
36) 1,1-Dichloropropene	5.696	75	369811	140.440	ug/l	98
37) Ethyl Acetate	4.715	43	408039	125.710	ug/l	99
38) Carbon Tetrachloride	5.678	117	397613	142.684	ug/l	98
39) Methylcyclohexane	7.379	83	467004	142.041	ug/l	100
40) Benzene	6.038	78	1067032	138.642	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	229379	143.372	ug/l	99
42) 1,2-Dichloroethane	6.086	62	383445	133.658	ug/l	99
43) Isopropyl Acetate	6.342	43	666742	148.095	ug/l	99
44) Trichloroethene	7.123	130	309775	141.051	ug/l	97
45) 1,2-Dichloropropane	7.434	63	278216	140.330	ug/l	100
46) Dibromomethane	7.580	93	193841	139.653	ug/l	97
47) Bromodichloromethane	7.824	83	388097	144.324	ug/l	98
48) Methyl methacrylate	7.690	41	332936	146.094	ug/l	99
49) 1,4-Dioxane	7.732	88	127224	2624.653	ug/l #	82
51) 4-Methyl-2-Pentanone	8.580	43	1905474	668.703	ug/l	98
52) Toluene	8.720	92	695692	137.491	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	430758	160.476	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	465103	156.256	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	279298	140.922	ug/l	99
56) Ethyl methacrylate	9.116	69	440706	148.947	ug/l	98
57) 1,3-Dichloropropane	9.305	76	469035	138.320	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1053142	699.727	ug/l	99
59) 2-Hexanone	9.433	43	1415621	672.510	ug/l	98
60) Dibromochloromethane	9.525	129	323005	148.996	ug/l	100
61) 1,2-Dibromoethane	9.610	107	300284	143.244	ug/l	99
64) Tetrachloroethene	9.275	164	273965	141.299	ug/l	99
65) Chlorobenzene	10.080	112	756015	140.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	297720	147.725	ug/l	100
67) Ethyl Benzene	10.195	91	1332896	141.631	ug/l	100
68) m/p-Xylenes	10.305	106	1043987	284.251	ug/l	96
69) o-Xylene	10.640	106	512659	140.785	ug/l	98
70) Styrene	10.659	104	847818	141.724	ug/l	100
71) Bromoform	10.799	173	228397	141.549	ug/l #	98
73) Isopropylbenzene	10.964	105	1025197	123.126	ug/l	100
74) N-amyl acetate	10.848	43	536006	158.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	310458	119.629	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	285502m	132.179	ug/l	
77) Bromobenzene	11.195	156	264525	120.015	ug/l	97
78) n-propylbenzene	11.305	91	1198456	126.961	ug/l	99
79) 2-Chlorotoluene	11.366	91	692313	122.116	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	890238	129.866	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	102748	144.379	ug/l	98
82) 4-Chlorotoluene	11.457	91	845813	129.035	ug/l	99
83) tert-Butylbenzene	11.713	119	960775	134.335	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	900715	130.945	ug/l	99
85) sec-Butylbenzene	11.890	105	1301000	153.968	ug/l	99
86) p-Isopropyltoluene	12.012	119	1127425	156.140	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	559771	141.106	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	529808	136.524	ug/l	99
89) n-Butylbenzene	12.329	91	974837	161.444	ug/l	100
90) Hexachloroethane	12.536	117	185260	159.034	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	557248	147.011	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	74513	154.412	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	388908	170.500	ug/l	100
94) Hexachlorobutadiene	13.725	225	204927	176.959	ug/l	99
95) Naphthalene	13.774	128	1311347	185.285	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	437658	189.110	ug/l	98

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

