

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038839.D
 Acq On : 16 Nov 2023 15:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX111623

Quant Time: Nov 16 23:01:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	182668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	337747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135799	46.137	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.280%		
35) Dibromofluoromethane	5.379	113	112543	46.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.280%		
50) Toluene-d8	8.647	98	438412	46.975	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.960%		
62) 4-Bromofluorobenzene	11.079	95	172961	46.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	109769	51.501	ug/l	98
3) Chloromethane	1.294	50	129523	46.559	ug/l	98
4) Vinyl Chloride	1.374	62	128478	47.944	ug/l	100
5) Bromomethane	1.599	94	56599	51.084	ug/l	99
6) Chloroethane	1.679	64	73697	48.191	ug/l	98
7) Trichlorofluoromethane	1.886	101	163117	47.969	ug/l	99
8) Diethyl Ether	2.130	74	66908	45.175	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	106597	47.269	ug/l	97
10) Methyl Iodide	2.447	142	133807	48.750	ug/l	89
11) Tert butyl alcohol	2.959	59	212346	259.384	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	106162	46.629	ug/l	90
13) Acrolein	2.233	56	95479	220.445	ug/l	100
14) Allyl chloride	2.660	41	215865	47.356	ug/l	90
15) Acrylonitrile	3.056	53	426064	246.306	ug/l	98
16) Acetone	2.374	43	370679	236.569	ug/l #	86
17) Carbon Disulfide	2.508	76	314440	44.586	ug/l	100
18) Methyl Acetate	2.697	43	362557	48.714	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	379854	47.436	ug/l	97
20) Methylene Chloride	2.788	84	125466	44.420	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	116196	46.254	ug/l	94
22) Diisopropyl ether	3.757	45	397949	47.588	ug/l #	85
23) Vinyl Acetate	3.715	43	1455735	241.712	ug/l	98
24) 1,1-Dichloroethane	3.605	63	219693	46.980	ug/l	100
25) 2-Butanone	4.544	43	611159	240.525	ug/l	94
26) 2,2-Dichloropropane	4.465	77	186214	45.907	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	135478	46.266	ug/l	96
28) Bromochloromethane	4.891	49	109074	48.581	ug/l	97
29) Tetrahydrofuran	4.995	42	401398	248.798	ug/l	96
30) Chloroform	5.086	83	212100	46.449	ug/l	95
31) Cyclohexane	5.464	56	199499	47.472	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	182766	46.210	ug/l	99
36) 1,1-Dichloropropene	5.684	75	162388	46.449	ug/l	98
37) Ethyl Acetate	4.702	43	221105	48.543	ug/l	97
38) Carbon Tetrachloride	5.672	117	153912	47.634	ug/l	97
39) Methylcyclohexane	7.373	83	213255	46.764	ug/l	95
40) Benzene	6.031	78	488340	47.227	ug/l	99

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41) Methacrylonitrile	4.910	41	115983	49.096	ug/l	92
42) 1,2-Dichloroethane	6.080	62	162916	47.554	ug/l	96
43) Isopropyl Acetate	6.330	43	349295	47.985	ug/l	97
44) Trichloroethene	7.117	130	118500	47.081	ug/l	95
45) 1,2-Dichloropropane	7.428	63	133356	47.924	ug/l	98
46) Dibromomethane	7.574	93	88702	47.800	ug/l	98
47) Bromodichloromethane	7.818	83	171617	46.596	ug/l	96
48) Methyl methacrylate	7.690	41	161471	45.719	ug/l	91
49) 1,4-Dioxane	7.653	88	72026	1054.120	ug/l #	95
51) 4-Methyl-2-Pentanone	8.568	43	1138441	244.727	ug/l	97
52) Toluene	8.714	92	300484	46.828	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	207105	47.318	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	216523	47.892	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	124162	46.374	ug/l	92
56) Ethyl methacrylate	9.110	69	218745	48.287	ug/l	93
57) 1,3-Dichloropropane	9.305	76	209232	47.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	533849	252.973	ug/l	95
59) 2-Hexanone	9.427	43	928363	248.984	ug/l	96
60) Dibromochloromethane	9.519	129	129429	47.543	ug/l	99
61) 1,2-Dibromoethane	9.610	107	132429	47.136	ug/l	100
64) Tetrachloroethene	9.269	164	91554	47.327	ug/l	96
65) Chlorobenzene	10.079	112	315325	47.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	114130	47.326	ug/l	98
67) Ethyl Benzene	10.189	91	587625	47.708	ug/l	98
68) m/p-Xylenes	10.299	106	447457	96.036	ug/l	99
69) o-Xylene	10.640	106	218350	47.361	ug/l	99
70) Styrene	10.653	104	370720	47.613	ug/l	98
71) Bromoform	10.799	173	98536	49.014	ug/l #	100
73) Isopropylbenzene	10.957	105	562574	47.133	ug/l	99
74) N-amyl acetate	10.842	43	310787	49.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	219450	47.099	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	191681m	50.150	ug/l	
77) Bromobenzene	11.195	156	125538	46.808	ug/l	94
78) n-propylbenzene	11.305	91	700331	47.668	ug/l	98
79) 2-Chlorotoluene	11.360	91	408518	46.853	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	484336	48.260	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	83683	48.564	ug/l #	78
82) 4-Chlorotoluene	11.451	91	479111	47.656	ug/l	100
83) tert-Butylbenzene	11.713	119	466488	47.196	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	483908	47.638	ug/l	98
85) sec-Butylbenzene	11.890	105	617289	47.746	ug/l	99
86) p-Isopropyltoluene	12.006	119	495161	47.710	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	248365	47.290	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	248627	46.254	ug/l	99
89) n-Butylbenzene	12.329	91	503776	48.111	ug/l	97
90) Hexachloroethane	12.536	117	100443	48.463	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	240078	48.196	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	55075	48.246	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	159050	47.648	ug/l	97
94) Hexachlorobutadiene	13.725	225	57617	48.741	ug/l	98
95) Naphthalene	13.774	128	587498	47.256	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	152769	48.279	ug/l	99

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

