

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091322\
 Data File : VX031301.D
 Acq On : 13 Sep 2022 20:13
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091322

Quant Time: Sep 14 05:54:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 14 05:51:22 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	36874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	59706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	72998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38127	48.706	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	5.391	113	35431	49.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	8.653	98	138682	49.170	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.340%		
62) 4-Bromofluorobenzene	11.085	95	48167	55.267	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19671	51.787	ug/l	100
3) Chloromethane	1.288	50	61068	55.012	ug/l	98
4) Vinyl Chloride	1.368	62	67542	55.563	ug/l	97
5) Bromomethane	1.612	94	169995	58.391	ug/l	98
6) Chloroethane	1.685	64	172502	71.344	ug/l	94
7) Trichlorofluoromethane	1.886	101	131608	53.264	ug/l	99
8) Diethyl Ether	2.136	74	55224	52.706	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	28245	47.799	ug/l	99
10) Methyl Iodide	2.453	142	35942	54.371	ug/l	99
11) Tert butyl alcohol	2.995	59	57451	242.837	ug/l	98
12) 1,1-Dichloroethene	2.319	96	28850	48.844	ug/l	95
13) Acrolein	2.233	56	38719	180.933	ug/l	97
14) Allyl chloride	2.666	41	58889	49.068	ug/l	98
15) Acrylonitrile	3.069	53	129052	249.371	ug/l	99
16) Acetone	2.392	43	102377	241.625	ug/l	98
17) Carbon Disulfide	2.508	76	73474	51.115	ug/l	100
18) Methyl Acetate	2.709	43	64387	48.617	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	126805	51.399	ug/l	99
20) Methylene Chloride	2.788	84	35166	48.542	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	36681	54.553	ug/l	97
22) Diisopropyl ether	3.764	45	150396	54.076	ug/l	91
23) Vinyl Acetate	3.727	43	677727	275.430	ug/l	98
24) 1,1-Dichloroethane	3.617	63	66214	50.401	ug/l	98
25) 2-Butanone	4.568	43	186735	248.851	ug/l	96
26) 2,2-Dichloropropane	4.471	77	48201	43.513	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	37446	47.947	ug/l	99
28) Bromochloromethane	4.898	49	32879	50.756	ug/l #	18
29) Tetrahydrofuran	5.013	42	126870	257.885	ug/l	99
30) Chloroform	5.099	83	71625	53.382	ug/l	95
31) Cyclohexane	5.477	56	57496	53.281	ug/l	91
32) 1,1,1-Trichloroethane	5.391	97	59265	50.749	ug/l	97
36) 1,1-Dichloropropene	5.696	75	50072	51.353	ug/l	99
37) Ethyl Acetate	4.721	43	75260	48.332	ug/l	99
38) Carbon Tetrachloride	5.678	117	52781	50.393	ug/l	99
39) Methylcyclohexane	7.379	83	56463	50.924	ug/l	96
40) Benzene	6.044	78	154926	52.081	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	37619	47.696	ug/l	97
42) 1,2-Dichloroethane	6.092	62	52747	48.690	ug/l	100
43) Isopropyl Acetate	6.348	43	117329	47.392	ug/l	99
44) Trichloroethene	7.129	130	37483	47.550	ug/l	99
45) 1,2-Dichloropropane	7.434	63	37987	46.123	ug/l	98
46) Dibromomethane	7.586	93	26006	46.007	ug/l	97
47) Bromodichloromethane	7.824	83	56345	48.182	ug/l	99
48) Methyl methacrylate	7.696	41	51411	48.704	ug/l	96
49) 1,4-Dioxane	7.696	88	21727	895.782	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	446170	263.189	ug/l	99
52) Toluene	8.720	92	105220	55.390	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	65980	48.597	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	65371	47.538	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	42255	49.767	ug/l	97
56) Ethyl methacrylate	9.122	69	72406	52.609	ug/l	99
57) 1,3-Dichloropropane	9.311	76	69516	50.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	174111	257.756	ug/l	99
59) 2-Hexanone	9.433	43	340743	262.681	ug/l	100
60) Dibromochloromethane	9.525	129	48269	52.810	ug/l	99
61) 1,2-Dibromoethane	9.610	107	47571	55.706	ug/l	95
64) Tetrachloroethene	9.275	164	40102	48.160	ug/l	97
65) Chlorobenzene	10.080	112	111722	48.394	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.165	131	43758	48.080	ug/l	93
67) Ethyl Benzene	10.195	91	203046	49.334	ug/l	96
68) m/p-Xylenes	10.305	106	170101	102.268	ug/l	97
69) o-Xylene	10.646	106	81618	50.126	ug/l	97
70) Styrene	10.659	104	137191	50.174	ug/l	99
71) Bromoform	10.799	173	39263	49.098	ug/l #	98
73) Isopropylbenzene	10.964	105	206708	46.211	ug/l	99
74) N-amyl acetate	10.842	43	115740	45.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	76478	44.795	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	68252m	45.250	ug/l	
77) Bromobenzene	11.201	156	51603	46.865	ug/l	98
78) n-propylbenzene	11.305	91	247363	47.509	ug/l	99
79) 2-Chlorotoluene	11.366	91	138558	46.747	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	179240	47.612	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27149	42.872	ug/l	98
82) 4-Chlorotoluene	11.457	91	164268	47.659	ug/l	95
83) tert-Butylbenzene	11.719	119	179052	46.018	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	175686	47.446	ug/l	99
85) sec-Butylbenzene	11.890	105	222120	46.306	ug/l	99
86) p-Isopropyltoluene	12.012	119	194123	48.284	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	97302	46.479	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	102403	47.380	ug/l	100
89) n-Butylbenzene	12.335	91	171703	48.226	ug/l	99
90) Hexachloroethane	12.542	117	37616	46.238	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	100634	47.314	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15262	44.096	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	56060	46.561	ug/l	98
94) Hexachlorobutadiene	13.725	225	19555	41.541	ug/l	96
95) Naphthalene	13.780	128	211290	45.463	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	57517	45.444	ug/l	97

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

