

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031790.D
 Acq On : 29 Sep 2022 22:53
 Operator : JC/MD
 Sample : VX0929WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBS02

Quant Time: Sep 30 04:43:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119080	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75282	46.118	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.240%		
35) Dibromofluoromethane	5.385	113	68926	48.578	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.160%		
50) Toluene-d8	8.647	98	244925	47.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.220%		
62) 4-Bromofluorobenzene	11.079	95	93891	49.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18793	20.077	ug/l	100
3) Chloromethane	1.288	50	16505	17.961	ug/l	99
4) Vinyl Chloride	1.374	62	22158	17.201	ug/l	98
5) Bromomethane	1.611	94	19736	12.741	ug/l	99
6) Chloroethane	1.685	64	20182	12.290	ug/l	95
7) Trichlorofluoromethane	1.886	101	50612	13.984	ug/l	96
8) Diethyl Ether	2.130	74	16949	16.209	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	21688	21.213	ug/l	93
10) Methyl Iodide	2.453	142	15233	15.201	ug/l	99
11) Tert butyl alcohol	2.989	59	20601	78.344	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	19121	22.839	ug/l	90
13) Acrolein	2.239	56	8729	68.839	ug/l	99
14) Allyl chloride	2.666	41	24466	18.189	ug/l #	94
15) Acrylonitrile	3.068	53	53470	94.382	ug/l	100
16) Acetone	2.386	43	44187	105.953	ug/l	96
17) Carbon Disulfide	2.508	76	35146	19.581	ug/l	99
18) Methyl Acetate	2.703	43	28450	19.395	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	73156	20.149	ug/l	98
20) Methylene Chloride	2.788	84	23479	21.790	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	22556	19.957	ug/l	84
22) Diisopropyl ether	3.757	45	61495	17.763	ug/l #	85
23) Vinyl Acetate	3.721	43	242518	88.579	ug/l #	92
24) 1,1-Dichloroethane	3.605	63	38214	19.147	ug/l	95
25) 2-Butanone	4.568	43	71371	91.598	ug/l	93
26) 2,2-Dichloropropane	4.477	77	25750	15.896	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	28212	20.381	ug/l	82
28) Bromochloromethane	4.897	49	16217	17.369	ug/l #	65
29) Tetrahydrofuran	5.013	42	44770	91.464	ug/l #	81
30) Chloroform	5.092	83	47683	19.421	ug/l	98
31) Cyclohexane	5.470	56	28870	18.601	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	41607	20.460	ug/l	96
36) 1,1-Dichloropropene	5.690	75	30473	18.701	ug/l	96
37) Ethyl Acetate	4.721	43	27362	16.648	ug/l #	94
38) Carbon Tetrachloride	5.684	117	36368	19.804	ug/l	95
39) Methylcyclohexane	7.379	83	34830	18.761	ug/l	88
40) Benzene	6.037	78	92744	18.532	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14394	17.211	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	35507	18.345	ug/l	98
43) Isopropyl Acetate	6.348	43	45420	17.558	ug/l #	94
44) Trichloroethene	7.129	130	28679	20.289	ug/l	89
45) 1,2-Dichloropropane	7.433	63	22693	18.684	ug/l	95
46) Dibromomethane	7.580	93	18836	19.310	ug/l	90
47) Bromodichloromethane	7.824	83	34177	19.417	ug/l	96
48) Methyl methacrylate	7.696	41	21017	18.474	ug/l #	85
49) 1,4-Dioxane	7.696	88	13207	454.582	ug/l	86
51) 4-Methyl-2-Pentanone	8.574	43	148358	90.608	ug/l	92
52) Toluene	8.720	92	65492	19.632	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	31562	16.825	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	34865	19.060	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	28811	20.059	ug/l	96
56) Ethyl methacrylate	9.116	69	37169	20.227	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	44220	19.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	83309	92.067	ug/l #	88
59) 2-Hexanone	9.433	43	110540	90.484	ug/l	92
60) Dibromochloromethane	9.518	129	29126	18.373	ug/l	98
61) 1,2-Dibromoethane	9.610	107	29955	20.546	ug/l	99
64) Tetrachloroethene	9.275	164	28832	19.766	ug/l	93
65) Chlorobenzene	10.079	112	75253	19.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	28054	20.508	ug/l	97
67) Ethyl Benzene	10.195	91	127357	19.692	ug/l	100
68) m/p-Xylenes	10.305	106	104824	40.338	ug/l	95
69) o-Xylene	10.640	106	51963	20.458	ug/l	93
70) Styrene	10.659	104	84603	20.462	ug/l	96
71) Bromoform	10.799	173	19260	17.876	ug/l #	100
73) Isopropylbenzene	10.963	105	136934	20.665	ug/l	99
74) N-amyl acetate	10.848	43	39066	18.175	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	41221	19.578	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	35682m	19.209	ug/l	
77) Bromobenzene	11.201	156	34874	20.703	ug/l	89
78) n-propylbenzene	11.305	91	150564	20.419	ug/l	96
79) 2-Chlorotoluene	11.366	91	91839	20.170	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	116849	20.802	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7812	16.486	ug/l	88
82) 4-Chlorotoluene	11.457	91	105484	20.052	ug/l	94
83) tert-Butylbenzene	11.713	119	119427	22.048	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	116661	20.982	ug/l	97
85) sec-Butylbenzene	11.890	105	141784	20.596	ug/l	99
86) p-Isopropyltoluene	12.012	119	123893	20.870	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66387	20.329	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	70387	20.591	ug/l	99
89) n-Butylbenzene	12.335	91	94685	19.525	ug/l	98
90) Hexachloroethane	12.542	117	18177	19.095	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	67691	20.698	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8500	20.147	ug/l	81
93) 1,2,4-Trichlorobenzene	13.585	180	39807	20.814	ug/l	99
94) Hexachlorobutadiene	13.725	225	15187	20.365	ug/l	97
95) Naphthalene	13.774	128	142885	22.367	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	40982	20.880	ug/l	97

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

