

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037405.D
 Acq On : 31 Aug 2023 04:38
 Operator : JC/MD
 Sample : VX0830WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Aug 31 07:07:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	105113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91668	60.491	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.980%#			
35) Dibromofluoromethane	5.385	113	78558	57.536	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.080%			
50) Toluene-d8	8.647	98	257441	51.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	107846	55.410	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20330	16.650	ug/l	99
3) Chloromethane	1.294	50	25596	23.962	ug/l	99
4) Vinyl Chloride	1.374	62	23543	20.248	ug/l	98
5) Bromomethane	1.599	94	11924	20.588	ug/l	99
6) Chloroethane	1.678	64	14672	21.443	ug/l	97
7) Trichlorofluoromethane	1.880	101	33556	17.618	ug/l	99
8) Diethyl Ether	2.136	74	17442	23.670	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	17519	15.767	ug/l	96
10) Methyl Iodide	2.447	142	27075	20.049	ug/l	93
11) Tert butyl alcohol	2.965	59	40720	114.551	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	20471	18.919	ug/l	83
13) Acrolein	2.233	56	13159	48.660	ug/l	97
14) Allyl chloride	2.660	41	29561	17.651	ug/l #	90
15) Acrylonitrile	3.062	53	77512	122.166	ug/l	98
16) Acetone	2.380	43	66160	111.599	ug/l	90
17) Carbon Disulfide	2.508	76	45289	16.455	ug/l	99
18) Methyl Acetate	2.703	43	52194	23.383	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	95384	23.243	ug/l	99
20) Methylene Chloride	2.788	84	30744	23.190	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	24650	20.040	ug/l	84
22) Diisopropyl ether	3.757	45	79329	23.083	ug/l #	94
23) Vinyl Acetate	3.721	43	292660	111.125	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	47330	21.961	ug/l	96
25) 2-Butanone	4.556	43	101054	113.209	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	22947	11.922	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	31575	21.775	ug/l	84
28) Bromochloromethane	4.897	49	26157	27.169	ug/l #	73
29) Tetrahydrofuran	5.001	42	63614	111.749	ug/l #	81
30) Chloroform	5.092	83	54084	22.355	ug/l	94
31) Cyclohexane	5.470	56	28028	16.449	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	42110	19.424	ug/l	96
36) 1,1-Dichloropropene	5.690	75	30920	15.940	ug/l	97
37) Ethyl Acetate	4.714	43	37363	18.856	ug/l #	92
38) Carbon Tetrachloride	5.678	117	33466	15.882	ug/l	98
39) Methylcyclohexane	7.379	83	30336	14.885	ug/l	88
40) Benzene	6.037	78	109738	19.725	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21405	20.780	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	42792	19.614	ug/l	93
43) Isopropyl Acetate	6.342	43	62024	19.716	ug/l #	91
44) Trichloroethene	7.123	130	27293	17.301	ug/l	100
45) 1,2-Dichloropropane	7.434	63	28172	20.537	ug/l	98
46) Dibromomethane	7.580	93	21872	20.240	ug/l	92
47) Bromodichloromethane	7.824	83	39765	19.212	ug/l	97
48) Methyl methacrylate	7.696	41	30061	19.594	ug/l #	84
49) 1,4-Dioxane	7.665	88	19605	474.484	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	199385	104.374	ug/l	90
52) Toluene	8.720	92	70603	19.207	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	38209	17.337	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	42542	17.863	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	32278	21.565	ug/l	98
56) Ethyl methacrylate	9.116	69	47800	20.388	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	53792	21.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	107697	95.721	ug/l	91
59) 2-Hexanone	9.427	43	155284	106.611	ug/l	87
60) Dibromochloromethane	9.518	129	31724	19.907	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34042	20.773	ug/l	99
64) Tetrachloroethene	9.275	164	21664	15.103	ug/l	95
65) Chlorobenzene	10.079	112	78383	18.861	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	29256	19.074	ug/l	98
67) Ethyl Benzene	10.195	91	128901	17.627	ug/l	98
68) m/p-Xylenes	10.299	106	101360	35.893	ug/l	99
69) o-Xylene	10.640	106	53145	19.075	ug/l	99
70) Styrene	10.652	104	87420	19.048	ug/l	97
71) Bromoform	10.799	173	22095	19.258	ug/l #	100
73) Isopropylbenzene	10.963	105	127444	17.658	ug/l	100
74) N-amyl acetate	10.841	43	54407	19.401	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	51692	21.267	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	41951m	19.838	ug/l	
77) Bromobenzene	11.195	156	34103	19.348	ug/l	92
78) n-propylbenzene	11.305	91	136216	16.950	ug/l	98
79) 2-Chlorotoluene	11.366	91	94794	18.458	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	109387	18.169	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10620	14.027	ug/l	90
82) 4-Chlorotoluene	11.451	91	105808	17.848	ug/l	98
83) tert-Butylbenzene	11.713	119	106316	18.517	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	113721	18.690	ug/l	97
85) sec-Butylbenzene	11.890	105	122886	18.323	ug/l	99
86) p-Isopropyltoluene	12.006	119	103354	17.902	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	60660	18.382	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	62061	18.202	ug/l	98
89) n-Butylbenzene	12.335	91	78655	16.433	ug/l	99
90) Hexachloroethane	12.536	117	18025	18.706	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	65491	20.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10747	19.029	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	36156	19.122	ug/l	97
94) Hexachlorobutadiene	13.725	225	12489	17.097	ug/l	98
95) Naphthalene	13.774	128	143469	17.322	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	37648	20.041	ug/l	99

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

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