

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036135.D
 Acq On : 13 Jun 2023 11:15
 Operator : JC/MD
 Sample : VX0613WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 00:52:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	182947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	323292	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	301769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163568	55.059	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.120%			
35) Dibromofluoromethane	5.385	113	110768	50.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	390556	50.046	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.079	95	163633	53.116	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34564	17.292	ug/l	100
3) Chloromethane	1.294	50	38017	16.640	ug/l	96
4) Vinyl Chloride	1.374	62	35481	16.533	ug/l	97
5) Bromomethane	1.618	94	23052	16.309	ug/l	98
6) Chloroethane	1.691	64	23412	18.527	ug/l	93
7) Trichlorofluoromethane	1.892	101	55504	18.380	ug/l	100
8) Diethyl Ether	2.136	74	25043	19.095	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	34717	18.523	ug/l	99
10) Methyl Iodide	2.453	142	35899	16.271	ug/l	99
11) Tert butyl alcohol	3.032	59	54814	103.895	ug/l	97
12) 1,1-Dichloroethene	2.319	96	31394	17.105	ug/l	97
13) Acrolein	2.239	56	40906	80.492	ug/l	97
14) Allyl chloride	2.666	41	67312	17.841	ug/l	98
15) Acrylonitrile	3.069	53	126194	101.804	ug/l	99
16) Acetone	2.404	43	118640	96.800	ug/l	100
17) Carbon Disulfide	2.514	76	65282	14.195	ug/l	97
18) Methyl Acetate	2.709	43	102444	21.500	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	144227	20.061	ug/l	97
20) Methylene Chloride	2.788	84	42826	18.140	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	36350	17.325	ug/l	99
22) Diisopropyl ether	3.757	45	147677	20.123	ug/l	97
23) Vinyl Acetate	3.721	43	523027	101.441	ug/l	99
24) 1,1-Dichloroethane	3.605	63	77774	19.108	ug/l	98
25) 2-Butanone	4.568	43	181676	103.566	ug/l	99
26) 2,2-Dichloropropane	4.471	77	61079	19.687	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	45417	18.036	ug/l	99
28) Bromochloromethane	4.891	49	53328	25.019	ug/l	99
29) Tetrahydrofuran	5.019	42	116256	102.842	ug/l	100
30) Chloroform	5.093	83	82500	19.678	ug/l	100
31) Cyclohexane	5.464	56	56010	18.007	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	68227	19.258	ug/l	99
36) 1,1-Dichloropropene	5.690	75	53306	18.386	ug/l	99
37) Ethyl Acetate	4.715	43	71354	22.099	ug/l	99
38) Carbon Tetrachloride	5.678	117	53755	19.026	ug/l	97
39) Methylcyclohexane	7.379	83	54875	18.140	ug/l	98
40) Benzene	6.038	78	160847	18.485	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40573	22.150	ug/l	99
42) 1,2-Dichloroethane	6.086	62	74549	21.634	ug/l	99
43) Isopropyl Acetate	6.336	43	114305	21.530	ug/l	99
44) Trichloroethene	7.129	130	40074	17.753	ug/l	94
45) 1,2-Dichloropropane	7.428	63	44836	19.577	ug/l	99
46) Dibromomethane	7.580	93	31818	20.000	ug/l	99
47) Bromodichloromethane	7.818	83	60998	20.383	ug/l	99
48) Methyl methacrylate	7.690	41	55434	21.291	ug/l	98
49) 1,4-Dioxane	7.726	88	23189	388.885	ug/l #	55
51) 4-Methyl-2-Pentanone	8.574	43	371808	114.729	ug/l	99
52) Toluene	8.714	92	102401	18.718	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	63759	20.155	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	67995	19.464	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	46025	20.193	ug/l	97
56) Ethyl methacrylate	9.116	69	71127	20.873	ug/l	99
57) 1,3-Dichloropropane	9.305	76	79387	20.239	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	193236	108.225	ug/l	100
59) 2-Hexanone	9.427	43	278090	116.068	ug/l	97
60) Dibromochloromethane	9.519	129	43422	19.625	ug/l	98
61) 1,2-Dibromoethane	9.610	107	47168	20.243	ug/l	100
64) Tetrachloroethene	9.275	164	32648	17.216	ug/l	98
65) Chlorobenzene	10.079	112	110972	18.225	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	42425	19.810	ug/l	97
67) Ethyl Benzene	10.195	91	201145	18.561	ug/l	99
68) m/p-Xylenes	10.299	106	150338	36.567	ug/l	100
69) o-Xylene	10.640	106	74831	18.113	ug/l	100
70) Styrene	10.653	104	126577	18.962	ug/l	100
71) Bromoform	10.799	173	28385	19.138	ug/l #	97
73) Isopropylbenzene	10.963	105	194334	17.945	ug/l	99
74) N-amyl acetate	10.842	43	97023	20.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	73848	19.935	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	64363m	19.149	ug/l	
77) Bromobenzene	11.195	156	47936	17.900	ug/l	99
78) n-propylbenzene	11.305	91	228419	18.688	ug/l	100
79) 2-Chlorotoluene	11.366	91	148405	18.644	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	170937	18.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18061	18.100	ug/l	95
82) 4-Chlorotoluene	11.451	91	170638	18.677	ug/l	100
83) tert-Butylbenzene	11.713	119	160606	18.412	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	172393	18.398	ug/l	99
85) sec-Butylbenzene	11.890	105	196980	19.039	ug/l	100
86) p-Isopropyltoluene	12.006	119	166944	18.873	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	89515	18.247	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	92202	17.842	ug/l	99
89) n-Butylbenzene	12.329	91	146827	19.647	ug/l	98
90) Hexachloroethane	12.536	117	25255	18.004	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	91331	18.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15417	20.166	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	49673	17.479	ug/l	98
94) Hexachlorobutadiene	13.725	225	19628	18.156	ug/l	100
95) Naphthalene	13.774	128	182713	18.472	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	51243	18.280	ug/l	99

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

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