

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033621.D
 Acq On : 06 Jan 2023 11:21
 Operator : JC/MD
 Sample : VX0106WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0106WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 07 04:21:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	260443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100747	49.840	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.680%			
35) Dibromofluoromethane	5.379	113	85775	50.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.647	98	308382	50.400	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	117127	54.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24417	16.534	ug/l	97
3) Chloromethane	1.295	50	23852	13.124	ug/l	99
4) Vinyl Chloride	1.374	62	23451	14.547	ug/l	94
5) Bromomethane	1.618	94	16498	18.302	ug/l	94
6) Chloroethane	1.691	64	15274	16.443	ug/l	99
7) Trichlorofluoromethane	1.892	101	44908	19.691	ug/l	95
8) Diethyl Ether	2.136	74	14092	19.647	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	22885	19.038	ug/l	100
10) Methyl Iodide	2.453	142	34220	16.446	ug/l	98
11) Tert butyl alcohol	3.026	59	33483m	100.832	ug/l	
12) 1,1-Dichloroethene	2.319	96	20499	18.506	ug/l	98
13) Acrolein	2.246	56	18661	88.687	ug/l	98
14) Allyl chloride	2.666	41	54778	19.609	ug/l	99
15) Acrylonitrile	3.069	53	85844	95.573	ug/l	99
16) Acetone	2.404	43	61058	79.762	ug/l	95
17) Carbon Disulfide	2.514	76	58517	16.298	ug/l	98
18) Methyl Acetate	2.709	43	53847	19.219	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	103497	19.685	ug/l	99
20) Methylene Chloride	2.788	84	33693	18.395	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	32267	19.529	ug/l	98
22) Diisopropyl ether	3.758	45	113490	20.163	ug/l	97
23) Vinyl Acetate	3.721	43	431927	99.931	ug/l	99
24) 1,1-Dichloroethane	3.611	63	59829	19.645	ug/l	99
25) 2-Butanone	4.568	43	85983	65.146	ug/l	100
26) 2,2-Dichloropropane	4.477	77	32501	15.437	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	26472	13.814	ug/l	98
28) Bromochloromethane	4.898	49	23996	19.397	ug/l	100
29) Tetrahydrofuran	5.019	42	78632	93.931	ug/l	99
30) Chloroform	5.093	83	61958	19.915	ug/l	99
31) Cyclohexane	5.471	56	55461	19.709	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	53487	19.883	ug/l	98
36) 1,1-Dichloropropene	5.690	75	45811	19.756	ug/l	99
37) Ethyl Acetate	4.715	43	36958	12.805	ug/l	99
38) Carbon Tetrachloride	5.678	117	48416	19.730	ug/l	96
39) Methylcyclohexane	7.379	83	56482	19.508	ug/l	98
40) Benzene	6.038	78	132412	19.537	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	26917	19.105	ug/l	99
42) 1,2-Dichloroethane	6.086	62	49918	19.759	ug/l	100
43) Isopropyl Acetate	6.336	43	74833	18.875	ug/l	99
44) Trichloroethene	7.123	130	37507	19.394	ug/l	98
45) 1,2-Dichloropropane	7.428	63	34558	19.794	ug/l	99
46) Dibromomethane	7.580	93	24096	19.714	ug/l	99
47) Bromodichloromethane	7.818	83	46938	19.822	ug/l	95
48) Methyl methacrylate	7.690	41	39012	19.440	ug/l	99
49) 1,4-Dioxane	7.739	88	16652	390.110	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	245832	97.968	ug/l	100
52) Toluene	8.720	92	87895	19.726	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	46943	18.000	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	52816	20.150	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	35434	20.302	ug/l	95
56) Ethyl methacrylate	9.116	69	51599	19.803	ug/l	98
57) 1,3-Dichloropropane	9.305	76	58527	19.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	131170	98.968	ug/l	99
59) 2-Hexanone	9.427	43	180803	97.538	ug/l	99
60) Dibromochloromethane	9.519	129	37476	19.631	ug/l	100
61) 1,2-Dibromoethane	9.610	107	37307	20.209	ug/l	100
64) Tetrachloroethene	9.275	164	33459	24.026	ug/l	99
65) Chlorobenzene	10.080	112	78602	20.297	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	27033	18.675	ug/l	99
67) Ethyl Benzene	10.189	91	144336	21.353	ug/l	98
68) m/p-Xylenes	10.299	106	132588	50.261	ug/l	99
69) o-Xylene	10.640	106	65190	24.925	ug/l	99
70) Styrene	10.653	104	108370	25.222	ug/l	100
71) Bromoform	10.799	173	29174	25.173	ug/l	99
73) Isopropylbenzene	10.964	105	172838	19.579	ug/l	100
74) N-amyl acetate	10.842	43	67225	18.793	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	52161	18.957	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42386m	18.509	ug/l	
77) Bromobenzene	11.195	156	45160	19.325	ug/l	100
78) n-propylbenzene	11.305	91	193817	19.366	ug/l	100
79) 2-Chlorotoluene	11.366	91	115671	19.244	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	145019	19.953	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	13670	18.118	ug/l	97
82) 4-Chlorotoluene	11.451	91	134258	19.319	ug/l	100
83) tert-Butylbenzene	11.713	119	148559	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	144679	19.838	ug/l	98
85) sec-Butylbenzene	11.890	105	179175	20.000	ug/l	99
86) p-Isopropyltoluene	12.006	119	157278	20.544	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	82477	19.610	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	83388	20.267	ug/l	99
89) n-Butylbenzene	12.329	91	126662	19.785	ug/l	100
90) Hexachloroethane	12.536	117	24034	19.460	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	82724	20.584	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10096	19.733	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	55137	20.778	ug/l	99
94) Hexachlorobutadiene	13.725	225	26618	21.679	ug/l	98
95) Naphthalene	13.774	128	162771	20.470	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	54796	21.189	ug/l	99

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

