

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061423\
 Data File : VX036155.D
 Acq On : 14 Jun 2023 14:50
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jun 15 01:32:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 15 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/15/2023
 Supervised By : Mahesh Dadoda 06/15/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	214196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	404470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	156935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	33277	5.281	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.560%#		
35) Dibromofluoromethane	5.391	113	23669	5.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.380%#		
50) Toluene-d8	8.647	98	78106	4.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.700%#		
62) 4-Bromofluorobenzene	11.079	95	26367	6.428	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	12.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	10559	4.535	ug/l	94
3) Chloromethane	1.295	50	12167	4.851	ug/l	95
4) Vinyl Chloride	1.374	62	10534	4.460	ug/l	100
5) Bromomethane	1.618	94	6909	4.543	ug/l	86
6) Chloroethane	1.691	64	7495	5.031	ug/l	94
7) Trichlorofluoromethane	1.886	101	14565	4.316	ug/l	100
8) Diethyl Ether	2.136	74	7192	5.114	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	9188	4.480	ug/l	97
10) Methyl Iodide	2.453	142	9382	4.099	ug/l	98
11) Tert butyl alcohol	3.038	59	13986m	23.528	ug/l	
12) 1,1-Dichloroethene	2.319	96	9371	4.596	ug/l	96
13) Acrolein	2.246	56	17921	25.932	ug/l	100
14) Allyl chloride	2.666	41	18258	4.402	ug/l	96
15) Acrylonitrile	3.075	53	34076	24.064	ug/l	99
16) Acetone	2.404	43	33395	24.093	ug/l	99
17) Carbon Disulfide	2.514	76	20875	4.023	ug/l #	94
18) Methyl Acetate	2.709	43	28315	4.860	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	38927	4.812	ug/l	98
20) Methylene Chloride	2.794	84	12753	4.970	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	10831	4.658	ug/l	95
22) Diisopropyl ether	3.764	45	40028	4.904	ug/l	97
23) Vinyl Acetate	3.727	43	138674	23.240	ug/l	99
24) 1,1-Dichloroethane	3.611	63	20981	4.659	ug/l	98
25) 2-Butanone	4.581	43	47888	23.648	ug/l	99
26) 2,2-Dichloropropane	4.477	77	16106	4.469	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	12919	4.815	ug/l	97
28) Bromochloromethane	4.898	49	12652	5.428	ug/l	96
29) Tetrahydrofuran	5.032	42	30610	23.498	ug/l	98
30) Chloroform	5.093	83	23256	4.932	ug/l	93
31) Cyclohexane	5.471	56	16118	4.478	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	18157	4.555	ug/l	98
36) 1,1-Dichloropropene	5.696	75	15332	4.406	ug/l	99
37) Ethyl Acetate	4.721	43	18694	4.374	ug/l	99
38) Carbon Tetrachloride	5.678	117	13618	4.054	ug/l	90
39) Methylcyclohexane	7.379	83	15543	4.205	ug/l	94
40) Benzene	6.038	78	46416	4.648	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	10784	4.525	ug/l	97
42) 1,2-Dichloroethane	6.092	62	20586	4.778	ug/l	100
43) Isopropyl Acetate	6.342	43	29465	4.445	ug/l	99
44) Trichloroethene	7.123	130	11525	4.498	ug/l	96
45) 1,2-Dichloropropane	7.428	63	11935	4.565	ug/l	98
46) Dibromomethane	7.586	93	8731	4.573	ug/l	97
47) Bromodichloromethane	7.824	83	14717	4.134	ug/l	90
48) Methyl methacrylate	7.696	41	15096	4.575	ug/l	99
49) 1,4-Dioxane	7.739	88	6126	94.890	ug/l #	44
51) 4-Methyl-2-Pentanone	8.574	43	93565	23.415	ug/l	99
52) Toluene	8.720	92	28131	4.480	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	14469	3.844	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	16432	4.021	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	12332	4.680	ug/l	98
56) Ethyl methacrylate	9.116	69	18055	4.433	ug/l	95
57) 1,3-Dichloropropane	9.311	76	21150	4.648	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	48517	22.564	ug/l	99
59) 2-Hexanone	9.433	43	68665	23.164	ug/l	99
60) Dibromochloromethane	9.519	129	9829	3.919	ug/l	99
61) 1,2-Dibromoethane	9.610	107	11883	4.300	ug/l	99
64) Tetrachloroethene	9.275	164	8886	4.473	ug/l	91
65) Chlorobenzene	10.080	112	30740	4.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	9942	4.271	ug/l	95
67) Ethyl Benzene	10.195	91	52877	4.524	ug/l	95
68) m/p-Xylenes	10.299	106	40047	8.985	ug/l	97
69) o-Xylene	10.640	106	20151	4.580	ug/l	98
70) Styrene	10.653	104	32573	4.512	ug/l	98
71) Bromoform	10.799	173	6219	6.272	ug/l #	97
73) Isopropylbenzene	10.964	105	49276	4.621	ug/l	100
74) N-amyl acetate	10.842	43	22260	4.589	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	17765	4.876	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	17224m	4.907	ug/l	
77) Bromobenzene	11.195	156	12404	4.956	ug/l	96
78) n-propylbenzene	11.305	91	56132	4.522	ug/l	99
79) 2-Chlorotoluene	11.360	91	38132	4.851	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	41570	4.619	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	3420	6.702	ug/l #	69
82) 4-Chlorotoluene	11.451	91	43376	4.843	ug/l	97
83) tert-Butylbenzene	11.713	119	38319	4.490	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	41086	4.545	ug/l	99
85) sec-Butylbenzene	11.890	105	45972	4.430	ug/l	99
86) p-Isopropyltoluene	12.006	119	39809	4.532	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	22721	4.759	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	22798	4.628	ug/l	89
89) n-Butylbenzene	12.329	91	31362	4.155	ug/l	98
90) Hexachloroethane	12.536	117	5299	6.101	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	22023	4.710	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3203	3.840	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	11607	4.367	ug/l	95
94) Hexachlorobutadiene	13.725	225	4123	4.023	ug/l	89
95) Naphthalene	13.774	128	39202	4.179	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	11161	4.230	ug/l	98

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

