

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040010.D
 Acq On : 30 Jan 2024 10:58
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2024
 Supervised By : Semsettin Yesilyurt 01/31/2024

Quant Time: Jan 31 05:04:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 04:54:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	82692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	7825	5.880	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.760%#		
35) Dibromofluoromethane	5.385	113	5878	5.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.500%#		
50) Toluene-d8	8.647	98	21828	5.715	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.420%#		
62) 4-Bromofluorobenzene	11.079	95	8152	5.543	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4936	5.300	ug/l	91
3) Chloromethane	1.294	50	4449	5.037	ug/l	98
4) Vinyl Chloride	1.374	62	3927	4.807	ug/l	98
5) Bromomethane	1.599	94	4454	5.609	ug/l	96
6) Chloroethane	1.678	64	2729	5.060	ug/l #	84
7) Trichlorofluoromethane	1.886	101	6513	5.011	ug/l	95
8) Diethyl Ether	2.136	74	2398	5.219	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	5116	5.275	ug/l	94
10) Methyl Iodide	2.453	142	4203	4.071	ug/l	98
11) Tert butyl alcohol	2.953	59	5816	24.085	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	4977	5.351	ug/l	90
13) Acrolein	2.233	56	6045	26.128	ug/l	97
14) Allyl chloride	2.666	41	8641	5.154	ug/l	95
15) Acrylonitrile	3.068	53	15470	25.575	ug/l	98
16) Acetone	2.373	43	16651	26.703	ug/l	93
17) Carbon Disulfide	2.514	76	13173	4.844	ug/l #	95
18) Methyl Acetate	2.703	43	7004	4.741	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	15259	4.789	ug/l	99
20) Methylene Chloride	2.794	84	5196	4.689	ug/l #	93
21) trans-1,2-Dichloroethene	3.093	96	5184	5.061	ug/l	92
22) Diisopropyl ether	3.757	45	16355	5.036	ug/l	93
23) Vinyl Acetate	3.721	43	69440	23.893	ug/l	98
24) 1,1-Dichloroethane	3.611	63	9060	4.871	ug/l	95
25) 2-Butanone	4.556	43	22509	25.968	ug/l	98
26) 2,2-Dichloropropane	4.477	77	6776	4.669	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	6013	5.261	ug/l	91
28) Bromochloromethane	4.897	49	4603	5.307	ug/l #	99
29) Tetrahydrofuran	5.007	42	14225	25.810	ug/l	99
30) Chloroform	5.098	83	10183	5.099	ug/l	100
31) Cyclohexane	5.470	56	8344	5.005	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	8681	5.065	ug/l	96
36) 1,1-Dichloropropene	5.690	75	7396	5.007	ug/l	99
37) Ethyl Acetate	4.721	43	8601	5.332	ug/l	97
38) Carbon Tetrachloride	5.684	117	6487	4.590	ug/l	92
39) Methylcyclohexane	7.372	83	9349	5.202	ug/l #	86
40) Benzene	6.031	78	21515	5.001	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	3935m	4.810	ug/l	
42) 1,2-Dichloroethane	6.080	62	8500	5.132	ug/l	98
43) Isopropyl Acetate	6.336	43	12341	4.851	ug/l	100
44) Trichloroethene	7.123	130	6096	5.384	ug/l	86
45) 1,2-Dichloropropane	7.427	63	5551	4.887	ug/l	94
46) Dibromomethane	7.580	93	4441	5.209	ug/l	95
47) Bromodichloromethane	7.824	83	7459	4.912	ug/l	96
48) Methyl methacrylate	7.696	41	6276	5.008	ug/l	92
49) 1,4-Dioxane	7.659	88	2619	96.171	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	44918	25.865	ug/l	95
52) Toluene	8.720	92	14481	5.400	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	7071	4.490	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	7849	4.670	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	5632	5.074	ug/l #	88
56) Ethyl methacrylate	9.116	69	7311	4.511	ug/l	95
57) 1,3-Dichloropropane	9.311	76	9267	5.069	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.238	63	19690	24.157	ug/l	98
59) 2-Hexanone	9.427	43	36038	26.027	ug/l	96
60) Dibromochloromethane	9.518	129	5524	4.953	ug/l	100
61) 1,2-Dibromoethane	9.610	107	5932	4.943	ug/l	88
64) Tetrachloroethene	9.275	164	4506	4.610	ug/l	92
65) Chlorobenzene	10.079	112	15456	4.978	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	4841	4.617	ug/l	95
67) Ethyl Benzene	10.195	91	25955	4.659	ug/l	93
68) m/p-Xylenes	10.299	106	19951	9.520	ug/l	98
69) o-Xylene	10.640	106	9232	4.644	ug/l	94
70) Styrene	10.658	104	15170	4.528	ug/l	99
71) Bromoform	10.799	173	3215	4.508	ug/l #	98
73) Isopropylbenzene	10.963	105	24599	5.033	ug/l	100
74) N-amyl acetate	10.841	43	10262	4.812	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	9245	5.031	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	7604m	5.246	ug/l	
77) Bromobenzene	11.201	156	5626	4.990	ug/l	97
78) n-propylbenzene	11.305	91	29501	4.905	ug/l	100
79) 2-Chlorotoluene	11.366	91	18715	5.169	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	20445	4.867	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	1612	4.274	ug/l #	78
82) 4-Chlorotoluene	11.457	91	21147	5.089	ug/l	100
83) tert-Butylbenzene	11.713	119	19965	4.966	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	20897	4.985	ug/l	99
85) sec-Butylbenzene	11.890	105	26325	4.943	ug/l	97
86) p-Isopropyltoluene	12.006	119	21196	4.873	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	11257	4.950	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	11841	5.086	ug/l	92
89) n-Butylbenzene	12.335	91	20597	4.879	ug/l	93
90) Hexachloroethane	12.536	117	3162	4.748	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	11237	5.124	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2062	4.951	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	6550	4.778	ug/l	99
94) Hexachlorobutadiene	13.719	225	2638	4.886	ug/l	94
95) Naphthalene	13.774	128	21482	4.614	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.957	180	6395	4.718	ug/l	98

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

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