

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034148.D
 Acq On : 17 Feb 2023 09:55
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 17 12:18:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:18:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	480916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	798456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	686759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	324288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	33797	5.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	27919	5.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#		
50) Toluene-d8	8.647	98	99738	5.344	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.680%#		
62) 4-Bromofluorobenzene	11.079	95	35861	5.023	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.040%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17538	4.220	ug/l	97
3) Chloromethane	1.295	50	28023	4.686	ug/l	100
4) Vinyl Chloride	1.374	62	25811	4.739	ug/l	99
5) Bromomethane	1.599	94	10077	4.663	ug/l	91
6) Chloroethane	1.679	64	12586	4.597	ug/l	95
7) Trichlorofluoromethane	1.886	101	33549	4.553	ug/l	96
8) Diethyl Ether	2.130	74	13663	4.603	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	24403	4.703	ug/l	94
10) Methyl Iodide	2.453	142	26009	4.117	ug/l	94
11) Tert butyl alcohol	2.953	59	38459	26.549	ug/l #	79
12) 1,1-Dichloroethene	2.319	96	23946	4.604	ug/l	99
13) Acrolein	2.233	56	19540	29.549	ug/l	90
14) Allyl chloride	2.660	41	51310	4.650	ug/l	89
15) Acrylonitrile	3.063	53	77457	24.510	ug/l	99
16) Acetone	2.374	43	82378	24.656	ug/l	92
17) Carbon Disulfide	2.508	76	67282	4.499	ug/l	100
18) Methyl Acetate	2.703	43	44874	4.341	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	90631	4.937	ug/l	96
20) Methylene Chloride	2.788	84	28412	4.720	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	26178	4.803	ug/l	97
22) Diisopropyl ether	3.758	45	97557	5.043	ug/l	92
23) Vinyl Acetate	3.721	43	402471	25.969	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50994	4.802	ug/l	96
25) 2-Butanone	4.556	43	120663	24.960	ug/l	96
26) 2,2-Dichloropropane	4.477	77	46686	4.853	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	30969	4.798	ug/l	93
28) Bromochloromethane	4.898	49	23770	5.018	ug/l	84
29) Tetrahydrofuran	5.007	42	72162	24.469	ug/l	99
30) Chloroform	5.087	83	47895	4.697	ug/l	91
31) Cyclohexane	5.471	56	48322	4.997	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	42931	4.696	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36098	4.695	ug/l	99
37) Ethyl Acetate	4.709	43	41495	4.829	ug/l	97
38) Carbon Tetrachloride	5.678	117	37362	4.722	ug/l	94
39) Methylcyclohexane	7.379	83	47821	4.833	ug/l	99
40) Benzene	6.038	78	112716	4.947	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23716	4.954	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37300	4.655	ug/l	99
43) Isopropyl Acetate	6.336	43	74675	4.925	ug/l	99
44) Trichloroethene	7.123	130	28442	4.864	ug/l	95
45) 1,2-Dichloropropane	7.428	63	29594	4.879	ug/l	100
46) Dibromomethane	7.586	93	19395	4.859	ug/l #	83
47) Bromodichloromethane	7.824	83	39119	4.775	ug/l	99
48) Methyl methacrylate	7.696	41	34947	4.856	ug/l	98
49) 1,4-Dioxane	7.659	88	14149	98.566	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	216276	25.925	ug/l	98
52) Toluene	8.720	92	67401	4.882	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	46048	4.883	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	49421	4.896	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	27663	4.964	ug/l	97
56) Ethyl methacrylate	9.116	69	45668	4.844	ug/l	97
57) 1,3-Dichloropropane	9.311	76	46926	4.840	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	105555	25.848	ug/l	94
59) 2-Hexanone	9.427	43	164808	25.922	ug/l	99
60) Dibromochloromethane	9.519	129	29131	4.731	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28323	4.806	ug/l	96
64) Tetrachloroethene	9.275	164	24215	4.996	ug/l	90
65) Chlorobenzene	10.080	112	70206	4.904	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	26458	4.774	ug/l	96
67) Ethyl Benzene	10.195	91	127757	4.968	ug/l	100
68) m/p-Xylenes	10.299	106	98502	10.008	ug/l	96
69) o-Xylene	10.640	106	48812	4.982	ug/l	96
70) Styrene	10.659	104	79461	4.986	ug/l	96
71) Bromoform	10.799	173	21615	4.778	ug/l #	97
73) Isopropylbenzene	10.964	105	122240	4.946	ug/l	99
74) N-amyl acetate	10.842	43	62875	5.064	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	42519	5.030	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	44425m	4.429	ug/l	
77) Bromobenzene	11.201	156	29129	4.898	ug/l	81
78) n-propylbenzene	11.305	91	142226	4.948	ug/l	98
79) 2-Chlorotoluene	11.366	91	85547	4.854	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	102920	4.953	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15019	4.728	ug/l	90
82) 4-Chlorotoluene	11.457	91	99314	4.947	ug/l	97
83) tert-Butylbenzene	11.713	119	106111	4.986	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	103210	4.912	ug/l	96
85) sec-Butylbenzene	11.890	105	125975	4.874	ug/l	98
86) p-Isopropyltoluene	12.012	119	105558	4.935	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	53366	4.784	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	55464	4.978	ug/l	93
89) n-Butylbenzene	12.329	91	90677	4.760	ug/l	98
90) Hexachloroethane	12.536	117	21613	4.833	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	54202	4.967	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9637	4.781	ug/l	77
93) 1,2,4-Trichlorobenzene	13.591	180	32258	4.604	ug/l	97
94) Hexachlorobutadiene	13.725	225	13599	4.682	ug/l	98
95) Naphthalene	13.774	128	112479	4.765	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32852	4.723	ug/l	99

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

