

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031642.D
 Acq On : 26 Sep 2022 10:52
 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 :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 26 12:03:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 26 12:01:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	54397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	79561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	87508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	5757	4.853	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.700%#		
35) Dibromofluoromethane	5.373	113	4676	4.965	ug/l	-0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.920%#		
50) Toluene-d8	8.647	98	16355	5.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.320%#		
62) 4-Bromofluorobenzene	11.079	95	5099	4.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.500%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	3184	4.071	ug/l	98
3) Chloromethane	1.288	50	3692	3.558	ug/l	93
4) Vinyl Chloride	1.368	62	4881	4.126	ug/l	99
5) Bromomethane	1.612	94	6396	3.797	ug/l	94
6) Chloroethane	1.685	64	7460	5.843	ug/l	96
7) Trichlorofluoromethane	1.886	101	14103	5.255	ug/l	98
8) Diethyl Ether	2.130	74	4232	4.579	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	3807	4.346	ug/l	90
10) Methyl Iodide	2.453	142	2991	3.530	ug/l	94
11) Tert butyl alcohol	2.941	59	5489m	20.233	ug/l	
12) 1,1-Dichloroethene	2.319	96	4139	4.888	ug/l #	79
13) Acrolein	2.240	56	3194	25.852	ug/l	100
14) Allyl chloride	2.660	41	4724	3.421	ug/l #	86
15) Acrylonitrile	3.069	53	9966	18.984	ug/l	97
16) Acetone	2.392	43	8724	18.314	ug/l	95
17) Carbon Disulfide	2.508	76	8022	3.516	ug/l	97
18) Methyl Acetate	2.703	43	5396	3.620	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	12642	4.128	ug/l	94
20) Methylene Chloride	2.782	84	4284	3.940	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	4114	4.303	ug/l	86
22) Diisopropyl ether	3.764	45	12100	4.047	ug/l	93
23) Vinyl Acetate	3.721	43	45637	17.847	ug/l	97
24) 1,1-Dichloroethane	3.599	63	7236	4.282	ug/l	98
25) 2-Butanone	4.568	43	13742	17.842	ug/l	98
26) 2,2-Dichloropropane	4.465	77	5693	3.814	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	4887	4.241	ug/l	87
28) Bromochloromethane	4.898	49	3201	4.742	ug/l #	83
29) Tetrahydrofuran	5.019	42	8351	16.626	ug/l	94
30) Chloroform	5.093	83	8480	4.576	ug/l	88
31) Cyclohexane	5.471	56	5719	3.865	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	6814	4.048	ug/l	99
36) 1,1-Dichloropropene	5.696	75	5640	4.460	ug/l	95
37) Ethyl Acetate	4.715	43	5318	3.525	ug/l	98
38) Carbon Tetrachloride	5.672	117	6132	4.374	ug/l	91
39) Methylcyclohexane	7.385	83	6608	4.247	ug/l #	88
40) Benzene	6.038	78	17019	4.511	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	2582	3.437	ug/l #	82
42) 1,2-Dichloroethane	6.086	62	6726	4.837	ug/l	100
43) Isopropyl Acetate	6.336	43	8451	3.645	ug/l	99
44) Trichloroethene	7.123	130	4919	4.598	ug/l	88
45) 1,2-Dichloropropane	7.428	63	4150	4.376	ug/l	97
46) Dibromomethane	7.580	93	3268	4.477	ug/l	90
47) Bromodichloromethane	7.824	83	5533	4.031	ug/l #	95
48) Methyl methacrylate	7.696	41	3706	3.498	ug/l #	84
49) 1,4-Dioxane	7.714	88	2039	84.281	ug/l #	60
51) 4-Methyl-2-Pentanone	8.574	43	26610	17.842	ug/l	98
52) Toluene	8.720	92	10820	4.397	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	4747	3.342	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	5628	3.623	ug/l #	96
55) 1,1,2-Trichloroethane	9.153	97	4724	4.659	ug/l	92
56) Ethyl methacrylate	9.116	69	5324	3.692	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	7186	4.319	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.245	63	14972	26.855	ug/l	92
59) 2-Hexanone	9.433	43	19755	17.637	ug/l	97
60) Dibromochloromethane	9.519	129	4068	3.778	ug/l	97
61) 1,2-Dibromoethane	9.610	107	4478	4.100	ug/l	96
64) Tetrachloroethene	9.275	164	4859	4.623	ug/l	99
65) Chlorobenzene	10.080	112	12613	4.674	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	4009	4.117	ug/l	93
67) Ethyl Benzene	10.195	91	20735	4.352	ug/l	94
68) m/p-Xylenes	10.305	106	16153	8.436	ug/l	98
69) o-Xylene	10.640	106	7597	4.157	ug/l	98
70) Styrene	10.659	104	12143	4.035	ug/l	98
71) Bromoform	10.799	173	2667	3.424	ug/l #	99
73) Isopropylbenzene	10.964	105	20701	4.475	ug/l	97
74) N-amyl acetate	10.848	43	6455	3.443	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	6541	4.195	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	5617m	4.063	ug/l	
77) Bromobenzene	11.201	156	5329	4.674	ug/l	88
78) n-propylbenzene	11.305	91	23348	4.387	ug/l	98
79) 2-Chlorotoluene	11.366	91	14124	4.459	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	17154	4.370	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.025	75	1073	2.499	ug/l #	64
82) 4-Chlorotoluene	11.457	91	16258	4.374	ug/l	99
83) tert-Butylbenzene	11.713	119	16354	4.298	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	16736	4.329	ug/l	98
85) sec-Butylbenzene	11.890	105	20478	4.253	ug/l	97
86) p-Isopropyltoluene	12.012	119	17998	4.427	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	10003	4.578	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	10480	4.598	ug/l	97
89) n-Butylbenzene	12.335	91	14433	4.167	ug/l	98
90) Hexachloroethane	12.536	117	2527	3.617	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	9921	4.509	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1061	3.338	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	6020	4.965	ug/l	97
94) Hexachlorobutadiene	13.725	225	2259	4.664	ug/l	92
95) Naphthalene	13.774	128	18478	4.161	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	6269	5.016	ug/l	92

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

