

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031825.D
 Acq On : 03 Oct 2022 10:13
 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 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 06:29:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126313	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	8431	4.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.540%#		
35) Dibromofluoromethane	5.379	113	8143	4.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.240%#		
50) Toluene-d8	8.647	98	27306	4.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	11.079	95	9422	4.173	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.340%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5017	4.306	ug/l	97
3) Chloromethane	1.288	50	6106	4.900	ug/l	98
4) Vinyl Chloride	1.373	62	7834	5.033	ug/l	98
5) Bromomethane	1.611	94	6740	5.218	ug/l	96
6) Chloroethane	1.691	64	8825	5.462	ug/l	99
7) Trichlorofluoromethane	1.886	101	16424	5.223	ug/l	98
8) Diethyl Ether	2.129	74	5426	5.035	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	6856	5.020	ug/l	90
10) Methyl Iodide	2.446	142	4985	3.397	ug/l	96
11) Tert butyl alcohol	3.007	59	5283m	22.350	ug/l	
12) 1,1-Dichloroethene	2.318	96	6260	4.844	ug/l	92
13) Acrolein	2.239	56	4409	30.199	ug/l	95
14) Allyl chloride	2.666	41	8243	4.943	ug/l #	95
15) Acrylonitrile	3.068	53	14529	23.260	ug/l	97
16) Acetone	2.392	43	11407	23.509	ug/l #	88
17) Carbon Disulfide	2.507	76	17378	4.917	ug/l	99
18) Methyl Acetate	2.703	43	7414	4.605	ug/l #	90
19) Methyl tert-butyl Ether	3.105	73	20970	4.800	ug/l #	90
20) Methylene Chloride	2.782	84	7516	5.046	ug/l #	82
21) trans-1,2-Dichloroethene	3.087	96	7335	4.766	ug/l	88
22) Diisopropyl ether	3.751	45	17220	4.820	ug/l #	66
23) Vinyl Acetate	3.721	43	61298	22.607	ug/l	96
24) 1,1-Dichloroethane	3.605	63	11735	4.913	ug/l	93
25) 2-Butanone	4.568	43	18242	23.278	ug/l	99
26) 2,2-Dichloropropane	4.471	77	10084	4.981	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	8659	4.803	ug/l	83
28) Bromochloromethane	4.891	49	4377	4.414	ug/l #	58
29) Tetrahydrofuran	5.007	42	11064	22.762	ug/l #	78
30) Chloroform	5.086	83	14417	5.020	ug/l	95
31) Cyclohexane	5.464	56	10002	5.214	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	12966	4.857	ug/l	93
36) 1,1-Dichloropropene	5.690	75	9983	4.946	ug/l	97
37) Ethyl Acetate	4.720	43	7483	4.727	ug/l #	79
38) Carbon Tetrachloride	5.672	117	11972	4.775	ug/l	94
39) Methylcyclohexane	7.379	83	12106	5.093	ug/l	90
40) Benzene	6.037	78	28438	4.752	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	4009	4.658	ug/l	92
42) 1,2-Dichloroethane	6.086	62	10238	4.862	ug/l	99
43) Isopropyl Acetate	6.342	43	11639	4.507	ug/l #	94
44) Trichloroethene	7.122	130	9003	4.677	ug/l	79
45) 1,2-Dichloropropane	7.427	63	6827	4.847	ug/l	98
46) Dibromomethane	7.586	93	5503	4.618	ug/l #	86
47) Bromodichloromethane	7.817	83	10885	4.608	ug/l	90
48) Methyl methacrylate	7.689	41	5320	4.601	ug/l #	83
49) 1,4-Dioxane	7.702	88	3285m	88.810	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	36339	22.569	ug/l	91
52) Toluene	8.720	92	19566	4.676	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	10017	4.411	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	11182	4.501	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	7890	4.642	ug/l	93
56) Ethyl methacrylate	9.116	69	8256	4.134	ug/l	89
57) 1,3-Dichloropropane	9.305	76	12201	4.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	23188	22.680	ug/l #	88
59) 2-Hexanone	9.433	43	26388	22.531	ug/l	89
60) Dibromochloromethane	9.518	129	9077	4.353	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8333	4.408	ug/l	98
64) Tetrachloroethene	9.275	164	8905	4.652	ug/l	96
65) Chlorobenzene	10.079	112	22053	4.700	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	8669	4.752	ug/l	96
67) Ethyl Benzene	10.195	91	36674	4.814	ug/l	95
68) m/p-Xylenes	10.299	106	28911	9.157	ug/l	97
69) o-Xylene	10.640	106	14032	4.585	ug/l	95
70) Styrene	10.658	104	22861	4.554	ug/l	94
71) Bromoform	10.799	173	6559	4.179	ug/l #	98
73) Isopropylbenzene	10.963	105	36621	4.801	ug/l	100
74) N-amyl acetate	10.841	43	8221	4.385	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	10698	4.811	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	9430m	4.997	ug/l	
77) Bromobenzene	11.201	156	9154	4.390	ug/l	95
78) n-propylbenzene	11.305	91	40524	4.880	ug/l	99
79) 2-Chlorotoluene	11.366	91	25786	5.079	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	30782	4.812	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	2562	4.103	ug/l	86
82) 4-Chlorotoluene	11.457	91	28379	4.836	ug/l	96
83) tert-Butylbenzene	11.713	119	30784	4.789	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	30456	4.762	ug/l	99
85) sec-Butylbenzene	11.890	105	37392	4.916	ug/l	96
86) p-Isopropyltoluene	12.012	119	32176	4.806	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	17619	4.543	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	19120	4.733	ug/l	97
89) n-Butylbenzene	12.335	91	25454	4.856	ug/l	98
90) Hexachloroethane	12.542	117	5921	4.875	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	18035	4.647	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2215	4.716	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	10607	4.498	ug/l	96
94) Hexachlorobutadiene	13.725	225	4048	4.344	ug/l	88
95) Naphthalene	13.774	128	32113	4.297	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	10474	4.559	ug/l	96

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

