

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028624.D
 Acq On : 11 May 2022 16:37
 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 05/12/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 12 05:39:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 05:37:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	319281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	18316	5.199	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.400%#		
35) Dibromofluoromethane	5.391	113	15456	4.855	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.700%#		
50) Toluene-d8	8.653	98	56576	4.787	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	11.085	95	19184	4.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	14766	6.518	ug/l	95
3) Chloromethane	1.288	50	14637	7.295	ug/l	99
4) Vinyl Chloride	1.374	62	16785	6.890	ug/l	100
5) Bromomethane	1.599	94	15779	8.671	ug/l	94
6) Chloroethane	1.679	64	11435	5.618	ug/l	100
7) Trichlorofluoromethane	1.886	101	28247	6.012	ug/l	96
8) Diethyl Ether	2.136	74	9977	5.574	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	14557	5.570	ug/l	99
10) Methyl Iodide	2.453	142	15961	5.725	ug/l	98
11) Tert butyl alcohol	2.947	59	25917	33.804	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	13470	6.031	ug/l	97
13) Acrolein	2.239	56	17068	28.502	ug/l	98
14) Allyl chloride	2.666	41	17379	5.433	ug/l	97
15) Acrylonitrile	3.068	53	37882	25.084	ug/l	99
16) Acetone	2.380	43	32949	25.241	ug/l	99
17) Carbon Disulfide	2.508	76	30375	8.221	ug/l	95
18) Methyl Acetate	2.703	43	17552	4.976	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	43845	5.021	ug/l	98
20) Methylene Chloride	2.788	84	15847	5.527	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	14761	5.951	ug/l	89
22) Diisopropyl ether	3.764	45	39383	5.149	ug/l #	93
23) Vinyl Acetate	3.727	43	159285	25.380	ug/l	99
24) 1,1-Dichloroethane	3.611	63	24652	5.295	ug/l	94
25) 2-Butanone	4.562	43	49459	24.003	ug/l	98
26) 2,2-Dichloropropane	4.471	77	17401	4.813	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	17140	5.273	ug/l	94
28) Bromochloromethane	4.910	49	10340	4.877	ug/l #	2
29) Tetrahydrofuran	5.013	42	31716	24.480	ug/l	99
30) Chloroform	5.099	83	27238	5.033	ug/l	100
31) Cyclohexane	5.477	56	21550	7.009	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	22802	5.004	ug/l	97
36) 1,1-Dichloropropene	5.696	75	20378	5.853	ug/l	99
37) Ethyl Acetate	4.715	43	18569	4.774	ug/l	99
38) Carbon Tetrachloride	5.684	117	20187	5.088	ug/l	95
39) Methylcyclohexane	7.385	83	22140	5.921	ug/l	99
40) Benzene	6.044	78	60411	5.579	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	10236	5.058	ug/l	94
42) 1,2-Dichloroethane	6.092	62	21470	5.409	ug/l	100
43) Isopropyl Acetate	6.348	43	28060	4.644	ug/l	97
44) Trichloroethene	7.129	130	17672	5.456	ug/l	92
45) 1,2-Dichloropropane	7.434	63	14064	5.036	ug/l	93
46) Dibromomethane	7.586	93	11025	5.146	ug/l	99
47) Bromodichloromethane	7.824	83	18384	4.587	ug/l #	96
48) Methyl methacrylate	7.696	41	13537	4.741	ug/l	99
49) 1,4-Dioxane	7.671	88	8432	98.688	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	97160	23.751	ug/l	98
52) Toluene	8.720	92	39123	5.314	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	15841	4.099	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	19737	4.590	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	16235	4.877	ug/l	97
56) Ethyl methacrylate	9.122	69	20485	4.527	ug/l	98
57) 1,3-Dichloropropane	9.311	76	26219	5.107	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	53878	22.564	ug/l	98
59) 2-Hexanone	9.433	43	74602	23.494	ug/l	97
60) Dibromochloromethane	9.525	129	13897	4.246	ug/l	99
61) 1,2-Dibromoethane	9.610	107	16147	4.784	ug/l	98
64) Tetrachloroethene	9.275	164	16508	5.382	ug/l	96
65) Chlorobenzene	10.079	112	43778	5.140	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	14210	4.594	ug/l	98
67) Ethyl Benzene	10.195	91	71940	5.143	ug/l	99
68) m/p-Xylenes	10.305	106	57094	10.174	ug/l	99
69) o-Xylene	10.646	106	27894	4.967	ug/l	97
70) Styrene	10.659	104	44456	4.804	ug/l	99
71) Bromoform	10.805	173	9773	3.966	ug/l #	99
73) Isopropylbenzene	10.963	105	71279	5.045	ug/l	99
74) N-amyl acetate	10.848	43	21045	4.357	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	25092	4.976	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	21088m	4.266	ug/l	
77) Bromobenzene	11.201	156	18667	4.973	ug/l	98
78) n-propylbenzene	11.305	91	77912	5.017	ug/l	97
79) 2-Chlorotoluene	11.366	91	49443	5.015	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	57624	4.914	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	4237	3.381	ug/l #	67
82) 4-Chlorotoluene	11.457	91	55559	4.991	ug/l	99
83) tert-Butylbenzene	11.719	119	57172	4.810	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	57122	4.875	ug/l	100
85) sec-Butylbenzene	11.890	105	67612	4.823	ug/l	98
86) p-Isopropyltoluene	12.012	119	57007	4.721	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	34910	4.899	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	35181	4.832	ug/l	93
89) n-Butylbenzene	12.335	91	44632	4.542	ug/l	98
90) Hexachloroethane	12.542	117	8062	4.149	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	35286	4.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4362	4.262	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	19053	4.438	ug/l	99
94) Hexachlorobutadiene	13.725	225	8549	4.597	ug/l	98
95) Naphthalene	13.780	128	62292	4.343	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	19358	4.441	ug/l	98

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

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