

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028635.D
 Acq On : 12 May 2022 13:40
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 12 14:15:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:13:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	214355	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	355268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145098	51.155	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	102.320%		
35) Dibromofluoromethane	5.385	113	117142	47.161	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.320%		
50) Toluene-d8	8.646	98	450069	47.310	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.620%		
62) 4-Bromofluorobenzene	11.085	95	170923	47.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	141497	85.746	ug/l	99
3) Chloromethane	1.294	50	124672	69.584	ug/l	99
4) Vinyl Chloride	1.373	62	140110	60.762	ug/l	99
5) Bromomethane	1.599	94	101863	45.720	ug/l	99
6) Chloroethane	1.678	64	91852	45.283	ug/l	97
7) Trichlorofluoromethane	1.885	101	226742	47.179	ug/l	99
8) Diethyl Ether	2.129	74	81225	48.724	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.324	101	116573	61.646	ug/l	95
10) Methyl Iodide	2.452	142	147275	62.692	ug/l	94
11) Tert butyl alcohol	2.958	59	148885	249.410	ug/l	99
12) 1,1-Dichloroethene	2.318	96	109013	60.978	ug/l	97
13) Acrolein	2.233	56	105490	299.225	ug/l	99
14) Allyl chloride	2.660	41	176477	60.258	ug/l	90
15) Acrylonitrile	3.062	53	348577	293.380	ug/l	100
16) Acetone	2.373	43	295768	299.493	ug/l	92
17) Carbon Disulfide	2.507	76	290195	61.162	ug/l	100
18) Methyl Acetate	2.702	43	151551	57.845	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	393544	55.853	ug/l	100
20) Methylene Chloride	2.788	84	125673	57.347	ug/l	94
21) trans-1,2-Dichloroethene	3.086	96	125954	54.653	ug/l	99
22) Diisopropyl ether	3.757	45	380180	57.993	ug/l #	88
23) Vinyl Acetate	3.714	43	1685499	294.735	ug/l	96
24) 1,1-Dichloroethane	3.605	63	220481	56.678	ug/l	98
25) 2-Butanone	4.550	43	485100	283.044	ug/l	96
26) 2,2-Dichloropropane	4.476	77	176739	48.533	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	143588	52.617	ug/l	99
28) Bromochloromethane	4.897	49	79732	49.901	ug/l	93
29) Tetrahydrofuran	4.995	42	316173	282.494	ug/l	93
30) Chloroform	5.092	83	239383	52.653	ug/l	96
31) Cyclohexane	5.464	56	204236	57.252	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	212294	51.867	ug/l	98
36) 1,1-Dichloropropene	5.690	75	178685	53.585	ug/l	99
37) Ethyl Acetate	4.708	43	191215	56.042	ug/l	96
38) Carbon Tetrachloride	5.677	117	185806	50.345	ug/l	98
39) Methylcyclohexane	7.378	83	209730	50.549	ug/l	95
40) Benzene	6.037	78	511634	52.830	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	97693	55.555	ug/l	94
42) 1,2-Dichloroethane	6.086	62	187987	52.263	ug/l	98
43) Isopropyl Acetate	6.336	43	295087	53.552	ug/l	95
44) Trichloroethene	7.122	130	141370	50.626	ug/l	93
45) 1,2-Dichloropropane	7.427	63	126841	53.182	ug/l	98
46) Dibromomethane	7.580	93	95127	51.221	ug/l	92
47) Bromodichloromethane	7.823	83	184297	51.848	ug/l	100
48) Methyl methacrylate	7.689	41	143763	56.223	ug/l	87
49) 1,4-Dioxane	7.659	88	68422	1027.162	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	971484	273.944	ug/l	94
52) Toluene	8.720	92	337661	50.659	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	195776	52.129	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	211916	52.201	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	136168	50.232	ug/l	99
56) Ethyl methacrylate	9.116	69	212632	53.715	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	226642	51.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	489526	265.924	ug/l	99
59) 2-Hexanone	9.433	43	769951	279.731	ug/l	91
60) Dibromochloromethane	9.524	129	140689	48.436	ug/l	97
61) 1,2-Dibromoethane	9.610	107	144471	49.139	ug/l	98
64) Tetrachloroethene	9.274	164	130169	49.366	ug/l	98
65) Chlorobenzene	10.079	112	361978	50.395	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	129855	48.890	ug/l	99
67) Ethyl Benzene	10.195	91	661174	54.370	ug/l	99
68) m/p-Xylenes	10.305	106	518435	105.688	ug/l	100
69) o-Xylene	10.646	106	250602	51.374	ug/l	97
70) Styrene	10.658	104	427761	53.873	ug/l	99
71) Bromoform	10.798	173	99684	48.186	ug/l #	100
73) Isopropylbenzene	10.963	105	661496	53.645	ug/l	99
74) N-amyl acetate	10.841	43	271148	61.622	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	217182	54.047	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	201358m	56.566	ug/l	
77) Bromobenzene	11.201	156	156743	49.468	ug/l	96
78) n-propylbenzene	11.304	91	778967	56.616	ug/l	100
79) 2-Chlorotoluene	11.365	91	462307	54.291	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	562388	54.000	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	64329	54.172	ug/l #	87
82) 4-Chlorotoluene	11.457	91	543626	55.350	ug/l	100
83) tert-Butylbenzene	11.719	119	540398	51.259	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	566030	54.677	ug/l	99
85) sec-Butylbenzene	11.890	105	672263	52.687	ug/l	99
86) p-Isopropyltoluene	12.012	119	578291	52.744	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	307313	51.632	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	311478	49.945	ug/l	98
89) n-Butylbenzene	12.335	91	509274	55.846	ug/l	97
90) Hexachloroethane	12.542	117	94231	53.768	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	304062	51.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	48843	54.798	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	178108	50.614	ug/l	99
94) Hexachlorobutadiene	13.725	225	72259	46.494	ug/l	94
95) Naphthalene	13.774	128	655522	55.406	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	175338	50.890	ug/l	95

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

