

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028391.D
 Acq On : 27 Apr 2022 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 28 04:27:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	381083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	603940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	555085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	303043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214173	43.103	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.200%		
35) Dibromofluoromethane	5.391	113	198028	46.756	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.520%		
50) Toluene-d8	8.647	98	714430	43.918	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.840%		
62) 4-Bromofluorobenzene	11.079	95	272292	43.777	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	145746	59.247	ug/l	100
3) Chloromethane	1.288	50	139178	56.430	ug/l	98
4) Vinyl Chloride	1.374	62	166742	43.402	ug/l	99
5) Bromomethane	1.599	94	156672	44.945	ug/l	97
6) Chloroethane	1.678	64	113502	40.657	ug/l	99
7) Trichlorofluoromethane	1.886	101	302633	35.723	ug/l	97
8) Diethyl Ether	2.136	74	113272	44.137	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	157987	51.195	ug/l	97
10) Methyl Iodide	2.453	142	211335	50.067	ug/l	98
11) Tert butyl alcohol	2.977	59	203591	212.459	ug/l	98
12) 1,1-Dichloroethene	2.319	96	147202	50.262	ug/l	95
13) Acrolein	2.233	56	122355	200.924	ug/l	100
14) Allyl chloride	2.666	41	209377	42.606	ug/l	94
15) Acrylonitrile	3.062	53	453466	223.944	ug/l	100
16) Acetone	2.380	43	377487	248.724	ug/l	96
17) Carbon Disulfide	2.514	76	287100	36.402	ug/l	99
18) Methyl Acetate	2.703	43	201731	45.662	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	558015	45.691	ug/l	96
20) Methylene Chloride	2.788	84	176238	47.802	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	170064	42.698	ug/l	92
22) Diisopropyl ether	3.763	45	476571	42.577	ug/l	93
23) Vinyl Acetate	3.721	43	2072021	211.891	ug/l	99
24) 1,1-Dichloroethane	3.611	63	294149	44.507	ug/l	99
25) 2-Butanone	4.556	43	623473	211.867	ug/l	99
26) 2,2-Dichloropropane	4.477	77	242416	37.567	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	207946	43.785	ug/l	92
28) Bromochloromethane	4.897	49	124186	43.797	ug/l	85
29) Tetrahydrofuran	5.001	42	392526	204.570	ug/l	99
30) Chloroform	5.099	83	333363	42.001	ug/l	100
31) Cyclohexane	5.470	56	233556	38.580	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	295583	41.126	ug/l	98
36) 1,1-Dichloropropene	5.696	75	229207	41.488	ug/l	96
37) Ethyl Acetate	4.714	43	239956	42.805	ug/l	100
38) Carbon Tetrachloride	5.678	117	258453	41.440	ug/l	98
39) Methylcyclohexane	7.385	83	265508	38.089	ug/l	94
40) Benzene	6.043	78	699327	43.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	124146	42.924	ug/l	99
42) 1,2-Dichloroethane	6.086	62	243578	40.575	ug/l	98
43) Isopropyl Acetate	6.342	43	381485	41.814	ug/l	98
44) Trichloroethene	7.129	130	214050	45.643	ug/l	97
45) 1,2-Dichloropropane	7.433	63	171738	43.385	ug/l	100
46) Dibromomethane	7.580	93	133769	43.079	ug/l	96
47) Bromodichloromethane	7.824	83	248739	41.678	ug/l	99
48) Methyl methacrylate	7.696	41	179567	42.869	ug/l	94
49) 1,4-Dioxane	7.665	88	98117	875.608	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1243369	212.373	ug/l	98
52) Toluene	8.720	92	477114	42.466	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	264779	41.745	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	288262	42.322	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	201965	44.243	ug/l	99
56) Ethyl methacrylate	9.116	69	294284	44.473	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	317340	43.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	726177	233.894	ug/l	91
59) 2-Hexanone	9.433	43	977749	215.596	ug/l	96
60) Dibromochloromethane	9.525	129	209174	42.032	ug/l	96
61) 1,2-Dibromoethane	9.610	107	218804	43.691	ug/l	100
64) Tetrachloroethene	9.275	164	207436	47.843	ug/l	98
65) Chlorobenzene	10.079	112	534223	45.140	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	204416	46.367	ug/l	98
67) Ethyl Benzene	10.195	91	910123	45.862	ug/l	98
68) m/p-Xylenes	10.305	106	731350	90.550	ug/l	95
69) o-Xylene	10.640	106	368486	45.760	ug/l	94
70) Styrene	10.659	104	615051	47.145	ug/l	98
71) Bromoform	10.799	173	157756	39.580	ug/l #	100
73) Isopropylbenzene	10.963	105	948279	45.527	ug/l	99
74) N-amyl acetate	10.848	43	349662	48.569	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	315273	46.644	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	283565m	47.545	ug/l	
77) Bromobenzene	11.201	156	250265	46.134	ug/l	90
78) n-propylbenzene	11.305	91	1064005	46.067	ug/l	96
79) 2-Chlorotoluene	11.366	91	643506	44.814	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	795429	44.988	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	86121	42.912	ug/l	92
82) 4-Chlorotoluene	11.457	91	735057	44.439	ug/l	95
83) tert-Butylbenzene	11.713	119	804671	44.569	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	803304	45.705	ug/l	97
85) sec-Butylbenzene	11.890	105	968655	44.471	ug/l	97
86) p-Isopropyltoluene	12.012	119	838474	44.620	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	479805	47.072	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	482667	45.099	ug/l	99
89) n-Butylbenzene	12.335	91	668120	43.300	ug/l	97
90) Hexachloroethane	12.542	117	131787	39.377	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	482262	47.627	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65955	43.877	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	287929	47.809	ug/l	100
94) Hexachlorobutadiene	13.725	225	120615	44.882	ug/l	94
95) Naphthalene	13.774	128	1015450	50.615	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	292848	49.539	ug/l	96

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

