

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028212.D
 Acq On : 20 Apr 2022 21:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 06:17:28 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	330242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	528085	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	505966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	288266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192869	44.791	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.580%		
35) Dibromofluoromethane	5.385	113	179113	48.364	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.720%		
50) Toluene-d8	8.653	98	659106	46.337	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.680%		
62) 4-Bromofluorobenzene	11.085	95	251823	46.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	104877	49.197	ug/l	100
3) Chloromethane	1.288	50	123941	58.058	ug/l	99
4) Vinyl Chloride	1.374	62	155613	46.741	ug/l	96
5) Bromomethane	1.599	94	130719	42.909	ug/l	99
6) Chloroethane	1.679	64	110287	46.006	ug/l	98
7) Trichlorofluoromethane	1.886	101	309808	42.200	ug/l	97
8) Diethyl Ether	2.130	74	106572	48.204	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	147669	55.218	ug/l	96
10) Methyl Iodide	2.453	142	204137	55.207	ug/l	96
11) Tert butyl alcohol	2.965	59	190102	229.726	ug/l	99
12) 1,1-Dichloroethene	2.319	96	142591	56.183	ug/l	94
13) Acrolein	2.233	56	129999	246.341	ug/l	97
14) Allyl chloride	2.666	41	196761	46.202	ug/l	92
15) Acrylonitrile	3.062	53	404393	230.455	ug/l	99
16) Acetone	2.380	43	336104	255.589	ug/l	95
17) Carbon Disulfide	2.514	76	334712	48.973	ug/l	100
18) Methyl Acetate	2.703	43	175915	45.948	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	506821	47.888	ug/l	98
20) Methylene Chloride	2.788	84	161488	50.545	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	161466	46.780	ug/l	92
22) Diisopropyl ether	3.764	45	432562	44.595	ug/l	91
23) Vinyl Acetate	3.721	43	1912262	225.659	ug/l	98
24) 1,1-Dichloroethane	3.611	63	270800	47.282	ug/l	98
25) 2-Butanone	4.556	43	555225	217.722	ug/l	96
26) 2,2-Dichloropropane	4.477	77	218994	39.162	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	194179	47.181	ug/l	90
28) Bromochloromethane	4.897	49	113746	46.291	ug/l	84
29) Tetrahydrofuran	5.007	42	353932	212.853	ug/l	98
30) Chloroform	5.099	83	315048	45.805	ug/l	99
31) Cyclohexane	5.471	56	231064	44.045	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	292142	46.905	ug/l	97
36) 1,1-Dichloropropene	5.696	75	215367	44.582	ug/l	95
37) Ethyl Acetate	4.715	43	216069	44.080	ug/l	99
38) Carbon Tetrachloride	5.684	117	259100	47.512	ug/l	99
39) Methylcyclohexane	7.385	83	272607	44.724	ug/l	94
40) Benzene	6.038	78	659021	46.605	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	115604	45.712	ug/l	98
42) 1,2-Dichloroethane	6.092	62	236931	45.137	ug/l	100
43) Isopropyl Acetate	6.342	43	348623	43.700	ug/l	98
44) Trichloroethene	7.129	130	200549	48.907	ug/l	96
45) 1,2-Dichloropropane	7.434	63	155762	45.001	ug/l	100
46) Dibromomethane	7.586	93	126295	46.514	ug/l	98
47) Bromodichloromethane	7.824	83	237228	45.459	ug/l	98
48) Methyl methacrylate	7.696	41	162247	44.298	ug/l	94
49) 1,4-Dioxane	7.659	88	89323	911.631	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	1122024	219.176	ug/l	98
52) Toluene	8.720	92	454615	46.275	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	252333	45.497	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	268998	45.167	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	189440	47.460	ug/l	99
56) Ethyl methacrylate	9.116	69	271670	46.953	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	293204	45.510	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	639807	235.676	ug/l	91
59) 2-Hexanone	9.433	43	880976	222.160	ug/l	97
60) Dibromochloromethane	9.525	129	207991	47.798	ug/l	95
61) 1,2-Dibromoethane	9.610	107	210100	47.979	ug/l	97
64) Tetrachloroethene	9.275	164	193808	49.039	ug/l	98
65) Chlorobenzene	10.079	112	514937	47.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	200407	49.870	ug/l	98
67) Ethyl Benzene	10.195	91	878957	48.591	ug/l	96
68) m/p-Xylenes	10.305	106	728875	99.004	ug/l	93
69) o-Xylene	10.646	106	355279	48.403	ug/l	95
70) Styrene	10.659	104	595832	50.106	ug/l	99
71) Bromoform	10.799	173	159839	43.597	ug/l	98
73) Isopropylbenzene	10.963	105	933773	47.128	ug/l	99
74) N-amyl acetate	10.842	43	312584	45.644	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	294427	45.793	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	262140m	46.206	ug/l	
77) Bromobenzene	11.201	156	246259	47.723	ug/l	88
78) n-propylbenzene	11.305	91	1028196	46.799	ug/l	95
79) 2-Chlorotoluene	11.366	91	626055	45.833	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	807570	48.016	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	82407	43.166	ug/l	94
82) 4-Chlorotoluene	11.457	91	725661	46.120	ug/l	94
83) tert-Butylbenzene	11.719	119	820935	47.801	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	803730	48.074	ug/l	97
85) sec-Butylbenzene	11.890	105	997339	48.135	ug/l	97
86) p-Isopropyltoluene	12.012	119	876342	49.026	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	477076	49.204	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	482091	47.354	ug/l	99
89) n-Butylbenzene	12.335	91	685428	46.699	ug/l	97
90) Hexachloroethane	12.542	117	141948	44.347	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	471932	48.996	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	66183	46.285	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	283815	49.542	ug/l	99
94) Hexachlorobutadiene	13.725	225	114653	44.850	ug/l	94
95) Naphthalene	13.774	128	976504	51.168	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	285351	50.745	ug/l	97

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

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