

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032201.D
 Acq On : 19 Oct 2022 12:32
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 12:57:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 11:57:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	124066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84576	47.806	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.620%			
35) Dibromofluoromethane	5.385	113	71110	54.699	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	8.653	98	262262	55.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.760%			
62) 4-Bromofluorobenzene	11.079	95	96838	52.542	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	56202	47.125	ug/l	99
3) Chloromethane	1.295	50	59193	47.529	ug/l	96
4) Vinyl Chloride	1.374	62	64442	51.992	ug/l	98
5) Bromomethane	1.612	94	67146	91.000	ug/l	100
6) Chloroethane	1.685	64	54185	66.185	ug/l	97
7) Trichlorofluoromethane	1.886	101	109116	52.482	ug/l	97
8) Diethyl Ether	2.130	74	39099	54.347	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	58129	47.591	ug/l	95
10) Methyl Iodide	2.453	142	91920	54.397	ug/l	95
11) Tert butyl alcohol	2.977	59	58353	139.021	ug/l	99
12) 1,1-Dichloroethene	2.319	96	58345	51.004	ug/l	99
13) Acrolein	2.233	56	49814	427.217	ug/l	100
14) Allyl chloride	2.666	41	92718	44.598	ug/l	91
15) Acrylonitrile	3.063	53	160463	221.754	ug/l	98
16) Acetone	2.380	43	132705	175.920	ug/l	92
17) Carbon Disulfide	2.514	76	137989	48.134	ug/l	99
18) Methyl Acetate	2.703	43	94407	39.918	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	200417	47.672	ug/l	99
20) Methylene Chloride	2.788	84	66737	46.071	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	64299	51.343	ug/l	100
22) Diisopropyl ether	3.758	45	199111	48.763	ug/l	90
23) Vinyl Acetate	3.721	43	819607	247.213	ug/l	96
24) 1,1-Dichloroethane	3.611	63	113754	47.477	ug/l	99
25) 2-Butanone	4.556	43	214726	193.261	ug/l	95
26) 2,2-Dichloropropane	4.477	77	86569	41.251	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	75483	52.190	ug/l	98
28) Bromochloromethane	4.898	49	44390	45.470	ug/l	100
29) Tetrahydrofuran	5.007	42	140730	202.365	ug/l	93
30) Chloroform	5.093	83	125224	49.147	ug/l	99
31) Cyclohexane	5.477	56	94323	45.580	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	110057	48.263	ug/l	99
36) 1,1-Dichloropropene	5.696	75	90139	50.577	ug/l	99
37) Ethyl Acetate	4.715	43	87584	42.175	ug/l	96
38) Carbon Tetrachloride	5.678	117	98086	48.897	ug/l	99
39) Methylcyclohexane	7.385	83	106057	49.843	ug/l	97
40) Benzene	6.038	78	263189	51.488	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50171	45.303	ug/l	94
42) 1,2-Dichloroethane	6.092	62	101601	47.666	ug/l	96
43) Isopropyl Acetate	6.342	43	145036	43.874	ug/l	94
44) Trichloroethene	7.129	130	72896	50.756	ug/l	99
45) 1,2-Dichloropropane	7.428	63	67189	49.801	ug/l	96
46) Dibromomethane	7.580	93	50478	51.114	ug/l	98
47) Bromodichloromethane	7.824	83	94002	51.191	ug/l	97
48) Methyl methacrylate	7.690	41	72717	44.087	ug/l #	87
49) 1,4-Dioxane	7.690	88	29143	843.831	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	456659	216.784	ug/l	92
52) Toluene	8.720	92	171292	51.128	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	98108	47.111	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	107228	49.757	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	70575	49.464	ug/l	99
56) Ethyl methacrylate	9.116	69	103301	48.285	ug/l #	83
57) 1,3-Dichloropropane	9.305	76	114199	49.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	229664	222.424	ug/l	100
59) 2-Hexanone	9.433	43	339319	206.726	ug/l	89
60) Dibromochloromethane	9.525	129	75624	52.506	ug/l	100
61) 1,2-Dibromoethane	9.610	107	75426	49.612	ug/l	99
64) Tetrachloroethene	9.275	164	60047	43.764	ug/l	95
65) Chlorobenzene	10.080	112	189291	51.949	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	70410	52.138	ug/l	99
67) Ethyl Benzene	10.195	91	339406	53.247	ug/l	99
68) m/p-Xylenes	10.299	106	265308	108.718	ug/l	100
69) o-Xylene	10.640	106	129323	53.089	ug/l	100
70) Styrene	10.659	104	217855	55.129	ug/l	99
71) Bromoform	10.799	173	54270	53.373	ug/l #	99
73) Isopropylbenzene	10.964	105	343591	49.432	ug/l	100
74) N-amyl acetate	10.842	43	134533	45.978	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	110632	49.198	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	95699m	44.589	ug/l	
77) Bromobenzene	11.201	156	84021	48.097	ug/l	93
78) n-propylbenzene	11.305	91	401307	51.107	ug/l	100
79) 2-Chlorotoluene	11.366	91	237157	48.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	297919	50.848	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29588	40.544	ug/l	88
82) 4-Chlorotoluene	11.457	91	279359	50.340	ug/l	100
83) tert-Butylbenzene	11.713	119	298039	52.704	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	297164	51.560	ug/l	99
85) sec-Butylbenzene	11.890	105	365085	51.528	ug/l	99
86) p-Isopropyltoluene	12.012	119	312879	52.608	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	160607	51.327	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	164355	51.458	ug/l	99
89) n-Butylbenzene	12.335	91	277956	54.015	ug/l	98
90) Hexachloroethane	12.543	117	48960	51.096	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	158246	51.549	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23036	44.652	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	104661	57.855	ug/l	98
94) Hexachlorobutadiene	13.725	225	44123	48.843	ug/l	99
95) Naphthalene	13.774	128	346958	59.642	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	104937	57.550	ug/l	99

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

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