

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032403.D
 Acq On : 26 Oct 2022 14:35
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 07:01:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:59:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	131568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174629	95.525	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 191.040%#			
35) Dibromofluoromethane	5.385	113	141389	94.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 189.780%#			
50) Toluene-d8	8.653	98	502991	97.082	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 194.160%#			
62) 4-Bromofluorobenzene	11.085	95	205783	101.679	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 203.360%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	155303	102.345	ug/l	98
3) Chloromethane	1.288	50	126223	98.358	ug/l	97
4) Vinyl Chloride	1.374	62	141557	100.229	ug/l	99
5) Bromomethane	1.605	94	106701	94.537	ug/l	99
6) Chloroethane	1.679	64	91174	96.227	ug/l	100
7) Trichlorofluoromethane	1.886	101	260587	97.376	ug/l	99
8) Diethyl Ether	2.130	74	82918	95.614	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	134302	95.085	ug/l	99
10) Methyl Iodide	2.453	142	158826	108.186	ug/l	100
11) Tert butyl alcohol	2.977	59	125213	470.596	ug/l	98
12) 1,1-Dichloroethene	2.319	96	127770	96.836	ug/l	97
13) Acrolein	2.233	56	122782	462.234	ug/l	99
14) Allyl chloride	2.666	41	207381	98.598	ug/l	100
15) Acrylonitrile	3.062	53	336451	465.922	ug/l	100
16) Acetone	2.380	43	293463	441.676	ug/l	99
17) Carbon Disulfide	2.508	76	318445	101.328	ug/l	100
18) Methyl Acetate	2.703	43	205423	95.075	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	448224	96.653	ug/l	99
20) Methylene Chloride	2.788	84	138475	90.898	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	136795	95.247	ug/l	98
22) Diisopropyl ether	3.764	45	446737	98.196	ug/l	99
23) Vinyl Acetate	3.721	43	1846121	502.267	ug/l	100
24) 1,1-Dichloroethane	3.611	63	251288	96.028	ug/l	99
25) 2-Butanone	4.556	43	478653	464.986	ug/l	98
26) 2,2-Dichloropropane	4.477	77	210513	101.200	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	161720	97.415	ug/l	99
28) Bromochloromethane	4.897	49	82402	88.404	ug/l	99
29) Tetrahydrofuran	5.007	42	315329	480.350	ug/l	99
30) Chloroform	5.099	83	281461	98.022	ug/l	98
31) Cyclohexane	5.471	56	219181	98.884	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	256694	99.621	ug/l	99
36) 1,1-Dichloropropene	5.696	75	202863	97.770	ug/l	99
37) Ethyl Acetate	4.715	43	197998	91.675	ug/l	99
38) Carbon Tetrachloride	5.684	117	230964	100.360	ug/l	98
39) Methylcyclohexane	7.385	83	243501	99.188	ug/l	98
40) Benzene	6.038	78	565948	96.387	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	107572	97.772	ug/l	99
42) 1,2-Dichloroethane	6.092	62	234197	97.574	ug/l	100
43) Isopropyl Acetate	6.342	43	328780	99.145	ug/l	99
44) Trichloroethene	7.129	130	156645	94.769	ug/l	99
45) 1,2-Dichloropropane	7.434	63	145215	96.344	ug/l	99
46) Dibromomethane	7.580	93	109141	94.418	ug/l	99
47) Bromodichloromethane	7.824	83	219216	100.062	ug/l	98
48) Methyl methacrylate	7.696	41	167224	97.639	ug/l	99
49) 1,4-Dioxane	7.671	88	59401	1819.936	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1012872	484.915	ug/l	99
52) Toluene	8.720	92	381781	99.660	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	238832	106.847	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	246877	103.261	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	154930	96.031	ug/l	99
56) Ethyl methacrylate	9.116	69	239326	103.083	ug/l	99
57) 1,3-Dichloropropane	9.311	76	251540	96.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	565333	505.704	ug/l	100
59) 2-Hexanone	9.433	43	755175	487.246	ug/l	99
60) Dibromochloromethane	9.525	129	178766	101.447	ug/l	100
61) 1,2-Dibromoethane	9.610	107	170048	99.476	ug/l	99
64) Tetrachloroethene	9.275	164	135009	95.380	ug/l	96
65) Chlorobenzene	10.079	112	418752	96.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	159723	97.965	ug/l	99
67) Ethyl Benzene	10.195	91	758117	97.863	ug/l	100
68) m/p-Xylenes	10.305	106	599675	199.353	ug/l	99
69) o-Xylene	10.646	106	291970	99.829	ug/l	99
70) Styrene	10.659	104	498131	102.482	ug/l	100
71) Bromoform	10.799	173	134162	104.076	ug/l #	99
73) Isopropylbenzene	10.963	105	790458	93.959	ug/l	99
74) N-amyl acetate	10.848	43	307392	96.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	242243	89.707	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	219242m	98.315	ug/l	
77) Bromobenzene	11.201	156	189729	91.991	ug/l	98
78) n-propylbenzene	11.305	91	922410	95.166	ug/l	100
79) 2-Chlorotoluene	11.366	91	542238	93.413	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	689286	95.866	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	76750	103.398	ug/l	96
82) 4-Chlorotoluene	11.457	91	643892	94.797	ug/l	100
83) tert-Butylbenzene	11.719	119	683771	95.255	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	677415	94.727	ug/l	100
85) sec-Butylbenzene	11.890	105	831053	96.215	ug/l	100
86) p-Isopropyltoluene	12.012	119	716896	97.814	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	362083	93.067	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	366215	90.738	ug/l	99
89) n-Butylbenzene	12.335	91	632716	99.231	ug/l	99
90) Hexachloroethane	12.542	117	120529	100.680	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	352182	91.805	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	57385	96.922	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	231617	92.598	ug/l	99
94) Hexachlorobutadiene	13.725	225	93774	89.766	ug/l	100
95) Naphthalene	13.774	128	783962	94.061	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	232387	91.396	ug/l	99

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

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