

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101623\
 Data File : VX038315.D
 Acq On : 16 Oct 2023 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2023
 Supervised By : Mahesh Dadoda 10/18/2023

Quant Time: Oct 17 01:28:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	137532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108085	48.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.720%		
35) Dibromofluoromethane	5.385	113	88424	50.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.880%		
50) Toluene-d8	8.646	98	332587	50.144	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	135877	54.037	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64590	48.654	ug/l	100
3) Chloromethane	1.294	50	68100	50.331	ug/l	99
4) Vinyl Chloride	1.373	62	90810	60.533	ug/l	99
5) Bromomethane	1.593	94	104868	53.281	ug/l	99
6) Chloroethane	1.684	64	64627	58.010	ug/l	96
7) Trichlorofluoromethane	1.885	101	171575	57.902	ug/l	99
8) Diethyl Ether	2.129	74	58531	52.963	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.330	101	70212	54.277	ug/l	98
10) Methyl Iodide	2.452	142	93951	50.477	ug/l	96
11) Tert butyl alcohol	2.958	59	94286	190.442	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	68380	54.343	ug/l	89
13) Acrolein	2.233	56	75978	241.602	ug/l	99
14) Allyl chloride	2.666	41	107946	47.961	ug/l	94
15) Acrylonitrile	3.062	53	242923	241.309	ug/l	99
16) Acetone	2.373	43	222228	240.709	ug/l	93
17) Carbon Disulfide	2.513	76	175976	48.523	ug/l	99
18) Methyl Acetate	2.702	43	195743	49.441	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	244881	48.864	ug/l	98
20) Methylene Chloride	2.788	84	81466	46.912	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	80286	51.532	ug/l	90
22) Diisopropyl ether	3.757	45	236303	50.095	ug/l	94
23) Vinyl Acetate	3.720	43	865467	250.189	ug/l	95
24) 1,1-Dichloroethane	3.611	63	138656	48.435	ug/l	99
25) 2-Butanone	4.550	43	362052	243.053	ug/l	91
26) 2,2-Dichloropropane	4.483	77	101024	45.200	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	94909	51.150	ug/l	89
28) Bromochloromethane	4.897	49	65853	50.958	ug/l	86
29) Tetrahydrofuran	5.001	42	232786	240.030	ug/l #	87
30) Chloroform	5.092	83	166764	53.272	ug/l	94
31) Cyclohexane	5.470	56	120208	50.156	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	141035	52.599	ug/l	99
36) 1,1-Dichloropropene	5.696	75	117514	49.096	ug/l	97
37) Ethyl Acetate	4.714	43	133694	47.031	ug/l	96
38) Carbon Tetrachloride	5.677	117	121177	51.463	ug/l	97
39) Methylcyclohexane	7.384	83	142511	50.831	ug/l	92
40) Benzene	6.037	78	342846	51.212	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	69388	49.068	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	133543	49.927	ug/l	99
43) Isopropyl Acetate	6.336	43	203910	48.051	ug/l #	96
44) Trichloroethene	7.128	130	93233	53.246	ug/l	96
45) 1,2-Dichloropropane	7.427	63	88363	50.998	ug/l	99
46) Dibromomethane	7.580	93	69607	51.796	ug/l	96
47) Bromodichloromethane	7.817	83	128321	53.676	ug/l	98
48) Methyl methacrylate	7.689	41	101598	50.151	ug/l #	84
49) 1,4-Dioxane	7.659	88	43716	875.701	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	744937	254.498	ug/l	96
52) Toluene	8.720	92	230862	52.939	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	133668	52.089	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	140394	52.073	ug/l	91
55) 1,1,2-Trichloroethane	9.152	97	98560	52.839	ug/l	96
56) Ethyl methacrylate	9.116	69	148210	51.823	ug/l	92
57) 1,3-Dichloropropane	9.311	76	155757	51.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	297053	211.604	ug/l	99
59) 2-Hexanone	9.427	43	598949	254.530	ug/l	94
60) Dibromochloromethane	9.518	129	102718	56.266	ug/l	99
61) 1,2-Dibromoethane	9.610	107	108152	53.617	ug/l	98
64) Tetrachloroethene	9.274	164	82636	53.178	ug/l	94
65) Chlorobenzene	10.079	112	257350	51.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	93982	55.332	ug/l	99
67) Ethyl Benzene	10.195	91	465125	51.877	ug/l	99
68) m/p-Xylenes	10.299	106	363366	104.813	ug/l	98
69) o-Xylene	10.640	106	178050	52.622	ug/l	99
70) Styrene	10.652	104	304081	55.185	ug/l	96
71) Bromoform	10.798	173	77973	49.515	ug/l #	99
73) Isopropylbenzene	10.963	105	474277	50.625	ug/l	98
74) N-amyl acetate	10.841	43	195369	48.835	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	175218	50.970	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	158996m	50.065	ug/l	
77) Bromobenzene	11.195	156	117507	51.376	ug/l	90
78) n-propylbenzene	11.304	91	569410	49.708	ug/l	100
79) 2-Chlorotoluene	11.365	91	334664	49.263	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	414983	51.344	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	46000	42.916	ug/l	93
82) 4-Chlorotoluene	11.451	91	397283	49.420	ug/l	97
83) tert-Butylbenzene	11.713	119	404780	51.254	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	412068	51.134	ug/l	98
85) sec-Butylbenzene	11.890	105	525066	51.324	ug/l	100
86) p-Isopropyltoluene	12.012	119	429370	50.870	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	227986	49.627	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	232881	49.654	ug/l	98
89) n-Butylbenzene	12.335	91	404130	48.076	ug/l	96
90) Hexachloroethane	12.536	117	73505	52.524	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	221973	50.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	40524	48.756	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	140019	47.275	ug/l	97
94) Hexachlorobutadiene	13.725	225	58650	49.200	ug/l	99
95) Naphthalene	13.774	128	486331	47.151	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	137122	47.814	ug/l	98

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

