

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038213.D
 Acq On : 10 Oct 2023 19:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 01:43:35 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	5.556	168	131473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99578	47.089	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.180%		
35) Dibromofluoromethane	5.385	113	78943	49.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.380%		
50) Toluene-d8	8.647	98	305269	50.280	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.560%		
62) 4-Bromofluorobenzene	11.079	95	120434	52.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67079	52.858	ug/l	98
3) Chloromethane	1.301	50	64300	49.712	ug/l	100
4) Vinyl Chloride	1.374	62	74507	51.954	ug/l	99
5) Bromomethane	1.599	94	106369	56.587	ug/l	99
6) Chloroethane	1.679	64	61763	57.996	ug/l	97
7) Trichlorofluoromethane	1.886	101	156399	55.213	ug/l	97
8) Diethyl Ether	2.130	74	57175	54.121	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	64681	52.306	ug/l	97
10) Methyl Iodide	2.453	142	90407	50.812	ug/l	95
11) Tert butyl alcohol	2.959	59	107775	229.992	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	62396	51.872	ug/l	90
13) Acrolein	2.233	56	99566	331.201	ug/l	99
14) Allyl chloride	2.660	41	105326	48.954	ug/l	94
15) Acrylonitrile	3.062	53	243343	252.867	ug/l	99
16) Acetone	2.380	43	216845	245.702	ug/l	92
17) Carbon Disulfide	2.514	76	156601	45.171	ug/l	98
18) Methyl Acetate	2.703	43	196685	51.969	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	243093	50.743	ug/l	100
20) Methylene Chloride	2.788	84	77727	46.822	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	74571	50.070	ug/l	89
22) Diisopropyl ether	3.757	45	224928	49.881	ug/l #	96
23) Vinyl Acetate	3.721	43	836590	252.987	ug/l	96
24) 1,1-Dichloroethane	3.611	63	136544	49.896	ug/l	100
25) 2-Butanone	4.556	43	352557	247.587	ug/l #	90
26) 2,2-Dichloropropane	4.477	77	100631	47.099	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	89058	50.209	ug/l	91
28) Bromochloromethane	4.897	49	65092	52.690	ug/l	88
29) Tetrahydrofuran	5.001	42	228102	246.039	ug/l	89
30) Chloroform	5.093	83	155398	51.929	ug/l	100
31) Cyclohexane	5.477	56	110417	48.194	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	132653	51.753	ug/l	99
36) 1,1-Dichloropropene	5.690	75	108140	49.356	ug/l	98
37) Ethyl Acetate	4.715	43	132213	50.810	ug/l	97
38) Carbon Tetrachloride	5.678	117	113179	52.510	ug/l	95
39) Methylcyclohexane	7.379	83	126590	49.327	ug/l	93
40) Benzene	6.038	78	316301	51.614	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68636	53.023	ug/l	91
42) 1,2-Dichloroethane	6.086	62	124565	50.876	ug/l	99
43) Isopropyl Acetate	6.342	43	199511	51.360	ug/l	97
44) Trichloroethene	7.129	130	83599	52.158	ug/l	97
45) 1,2-Dichloropropane	7.428	63	82129	51.781	ug/l	98
46) Dibromomethane	7.580	93	63170	51.352	ug/l	97
47) Bromodichloromethane	7.824	83	118451	54.128	ug/l	98
48) Methyl methacrylate	7.690	41	96927	52.268	ug/l #	85
49) 1,4-Dioxane	7.659	88	45857	1003.506	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	716830	267.535	ug/l	97
52) Toluene	8.720	92	213118	53.388	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	128653	54.769	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	131959	53.469	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	91620	53.659	ug/l	95
56) Ethyl methacrylate	9.116	69	142154	54.301	ug/l	92
57) 1,3-Dichloropropane	9.311	76	148087	53.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	321569	250.244	ug/l	99
59) 2-Hexanone	9.427	43	575990	267.401	ug/l	95
60) Dibromochloromethane	9.519	129	95536	57.170	ug/l	100
61) 1,2-Dibromoethane	9.610	107	100617	54.492	ug/l	100
64) Tetrachloroethene	9.275	164	73518	51.104	ug/l	98
65) Chlorobenzene	10.079	112	235130	50.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	87518	55.658	ug/l	99
67) Ethyl Benzene	10.195	91	427806	51.541	ug/l	98
68) m/p-Xylenes	10.299	106	333394	103.879	ug/l	98
69) o-Xylene	10.640	106	161277	51.487	ug/l	100
70) Styrene	10.653	104	271890	53.299	ug/l	97
71) Bromoform	10.799	173	70650	48.523	ug/l #	98
73) Isopropylbenzene	10.963	105	430690	49.436	ug/l	99
74) N-amyl acetate	10.842	43	185403	49.835	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	160587	50.234	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	146768m	49.696	ug/l	
77) Bromobenzene	11.195	156	105612	49.654	ug/l	91
78) n-propylbenzene	11.305	91	521787	48.982	ug/l	100
79) 2-Chlorotoluene	11.366	91	302754	47.923	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	375987	50.024	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	44081	44.101	ug/l	94
82) 4-Chlorotoluene	11.451	91	362584	48.502	ug/l	97
83) tert-Butylbenzene	11.713	119	375735	51.160	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	376188	50.198	ug/l	98
85) sec-Butylbenzene	11.890	105	480551	50.512	ug/l	100
86) p-Isopropyltoluene	12.006	119	400103	50.973	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	207600	48.594	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	211612	48.518	ug/l	98
89) n-Butylbenzene	12.335	91	385306	49.290	ug/l	97
90) Hexachloroethane	12.536	117	67727	52.041	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	204872	49.890	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38706	50.077	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	132722	48.188	ug/l	97
94) Hexachlorobutadiene	13.725	225	53686	48.429	ug/l	99
95) Naphthalene	13.774	128	462655	48.235	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129480	48.551	ug/l	97

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

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