

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034234.D
 Acq On : 22 Feb 2023 17:18
 Operator : JC/MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 03:23:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	300825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	493130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	179236	44.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.480%		
35) Dibromofluoromethane	5.385	113	155877	48.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.100%		
50) Toluene-d8	8.647	98	570142	49.458	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.920%		
62) 4-Bromofluorobenzene	11.079	95	204465	46.370	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6447	2.480	ug/l	96
3) Chloromethane	1.294	50	9766	2.611	ug/l	92
4) Vinyl Chloride	1.374	62	10086	2.961	ug/l	96
5) Bromomethane	1.611	94	5687	4.207	ug/l	89
6) Chloroethane	1.685	64	5823	3.400	ug/l	100
7) Trichlorofluoromethane	1.892	101	14860	3.224	ug/l	96
8) Diethyl Ether	2.130	74	5698	3.069	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	7837	2.414	ug/l	99
10) Methyl Iodide	2.453	142	8490	2.148	ug/l	92
11) Tert butyl alcohol	2.965	59	13518	14.918	ug/l #	84
12) 1,1-Dichloroethene	2.325	96	8034	2.469	ug/l	93
13) Acrolein	2.233	56	5165	12.487	ug/l	93
14) Allyl chloride	2.666	41	15913	2.306	ug/l	90
15) Acrylonitrile	3.068	53	23593	11.935	ug/l	99
16) Acetone	2.380	43	21226	10.156	ug/l	95
17) Carbon Disulfide	2.514	76	20804	2.224	ug/l	100
18) Methyl Acetate	2.709	43	14525	2.246	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	29154	2.539	ug/l	98
20) Methylene Chloride	2.794	84	11665	3.098	ug/l	97
21) trans-1,2-Dichloroethene	3.099	96	8725	2.559	ug/l #	81
22) Diisopropyl ether	3.763	45	31089	2.569	ug/l	95
23) Vinyl Acetate	3.721	43	118062	12.178	ug/l	100
24) 1,1-Dichloroethane	3.611	63	16544	2.491	ug/l	99
25) 2-Butanone	4.562	43	32623	10.788	ug/l	98
26) 2,2-Dichloropropane	4.483	77	13463	2.237	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	10251	2.539	ug/l	99
28) Bromochloromethane	4.897	49	6962	2.349	ug/l	93
29) Tetrahydrofuran	5.013	42	21614	11.717	ug/l	99
30) Chloroform	5.093	83	15713	2.463	ug/l	93
31) Cyclohexane	5.471	56	15147	2.504	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	14157	2.476	ug/l	98
36) 1,1-Dichloropropene	5.696	75	12022	2.532	ug/l	98
37) Ethyl Acetate	4.721	43	14841m	2.797	ug/l	
38) Carbon Tetrachloride	5.684	117	12119	2.480	ug/l	98
39) Methylcyclohexane	7.385	83	14638	2.395	ug/l	96
40) Benzene	6.044	78	36192	2.572	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	6456m	2.184	ug/l	
42) 1,2-Dichloroethane	6.086	62	12404	2.506	ug/l	98
43) Isopropyl Acetate	6.342	43	21984	2.348	ug/l	97
44) Trichloroethene	7.129	130	9558	2.647	ug/l	89
45) 1,2-Dichloropropane	7.434	63	9569	2.554	ug/l	99
46) Dibromomethane	7.586	93	6261	2.540	ug/l	87
47) Bromodichloromethane	7.824	83	11943	2.361	ug/l #	98
48) Methyl methacrylate	7.696	41	10215	2.298	ug/l	98
49) 1,4-Dioxane	7.696	88	4607	51.965	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	65773	12.766	ug/l	98
52) Toluene	8.720	92	22513	2.640	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	12941	2.222	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	14629	2.346	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	8902	2.587	ug/l	99
56) Ethyl methacrylate	9.116	69	13589	2.334	ug/l	91
57) 1,3-Dichloropropane	9.311	76	15771	2.634	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	31515	12.496	ug/l	95
59) 2-Hexanone	9.433	43	47449	12.084	ug/l	97
60) Dibromochloromethane	9.519	129	8637	2.271	ug/l	96
61) 1,2-Dibromoethane	9.610	107	9272	2.547	ug/l	96
64) Tetrachloroethene	9.275	164	8514	2.772	ug/l	89
65) Chlorobenzene	10.079	112	24096	2.657	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	8093	2.305	ug/l	90
67) Ethyl Benzene	10.195	91	40759	2.501	ug/l	96
68) m/p-Xylenes	10.299	106	31971	5.127	ug/l	100
69) o-Xylene	10.640	106	15734	2.535	ug/l	94
70) Styrene	10.659	104	25085	2.485	ug/l	98
71) Bromoform	10.799	173	6288	2.194	ug/l #	100
73) Isopropylbenzene	10.963	105	39310	2.529	ug/l	98
74) N-amyl acetate	10.841	43	17225	2.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13446	2.530	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	10051m	1.959	ug/l	
77) Bromobenzene	11.195	156	9928	2.655	ug/l	84
78) n-propylbenzene	11.305	91	44273	2.449	ug/l	98
79) 2-Chlorotoluene	11.366	91	27723	2.501	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	33074	2.531	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	3754	1.879	ug/l	95
82) 4-Chlorotoluene	11.457	91	30432	2.411	ug/l	99
83) tert-Butylbenzene	11.713	119	33835	2.528	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	32169	2.435	ug/l	97
85) sec-Butylbenzene	11.890	105	40476	2.491	ug/l	98
86) p-Isopropyltoluene	12.006	119	32691	2.431	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	19052	2.716	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	18811	2.659	ug/l	90
89) n-Butylbenzene	12.335	91	26519	2.214	ug/l	97
90) Hexachloroethane	12.536	117	5911	2.102	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	18032	2.628	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2470	1.949	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	9985	2.266	ug/l	93
94) Hexachlorobutadiene	13.725	225	4401	2.410	ug/l	99
95) Naphthalene	13.774	128	35244	2.375	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	10716	2.450	ug/l	98

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

