

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
 Data File : VX027028.D
 Acq On : 15 Feb 2022 12:51
 Operator : JC/MD
 Sample : N1331-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2022-02

Quant Time: Feb 16 02:59:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 16 01:34:21 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/17/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	130061	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	122861	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	61714	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	43859	37.991	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.980%		
7) Chloroethane-d5	1.672	69	34451	46.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.020%		
11) 1,1-Dichloroethene-d2	2.312	63	72506	32.755	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.500%		
21) 2-Butanone-d5	4.452	46	71753	89.477	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.480%		
24) Chloroform-d	5.056	84	92247	42.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.100%		
26) 1,2-Dichloroethane-d4	5.958	65	61254	43.595	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.180%		
32) Benzene-d6	5.976	84	189479	42.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.620%		
36) 1,2-Dichloropropane-d6	7.305	67	57851	44.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.000%		
41) Toluene-d8	8.647	98	170631	42.136	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.280%		
43) trans-1,3-Dichloroprop...	8.951	79	23829	39.753	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.500%		
47) 2-Hexanone-d5	9.384	63	51844	91.213	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.210%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	73065	47.025	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.060%		
66) 1,2-Dichlorobenzene-d4	12.323	152	64665	46.128	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	3468	2.484	ug/L	98
3) Chloromethane	1.294	50	2770	2.521	ug/L	99
5) Vinyl chloride	1.380	62	2777	2.514	ug/L #	74
6) Bromomethane	1.617	94	1363	2.901	ug/L	97
8) Chloroethane	1.691	64	1576	2.639	ug/L	82
9) Trichlorofluoromethane	1.892	101	3692	2.403	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	3127	3.157	ug/L #	82
12) 1,1-Dichloroethene	2.325	96	2662	2.925	ug/L #	1
13) Acetone	2.380	43	3810	5.645	ug/L	96
14) Carbon disulfide	2.514	76	6305	2.339	ug/L	99
15) Methyl Acetate	2.703	43	2725	2.614	ug/L	100
16) Methylene chloride	2.794	84	2650	2.659	ug/L	91
17) trans-1,2-Dichloroethene	3.099	96	2363	2.454	ug/L	94
18) Methyl tert-butyl Ether	3.111	73	7000	2.369	ug/L	99
19) 1,1-Dichloroethane	3.611	63	4227	2.461	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2420	2.290	ug/L	96
22) 2-Butanone	4.562	43	4592	5.312	ug/L	94
23) Bromochloromethane	4.897	128	1398	2.591	ug/L	91
25) Chloroform	5.092	83	5881	3.201	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	3674	2.586	ug/L	99
29) Cyclohexane	5.477	56	3875	2.300	ug/L #	58
30) 1,1,1-Trichloroethane	5.391	97	3634	2.273	ug/L	97
31) Carbon tetrachloride	5.684	117	3189	2.249	ug/L	97
33) Benzene	6.037	78	9924	2.500	ug/L	100
34) Trichloroethene	7.123	95	2644	2.328	ug/L	97
35) Methylcyclohexane	7.379	83	4018	2.341	ug/L	98
37) 1,2-Dichloropropane	7.433	63	2420	2.424	ug/L #	92
38) Bromodichloromethane	7.824	83	3164	2.361	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	3437	2.297	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	6503	4.582	ug/L	98
42) Toluene	8.720	91	12627	2.963	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	3094	2.200	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	2305	2.361	ug/L	97
46) Tetrachloroethene	9.275	164	1936	2.303	ug/L	93
48) 2-Hexanone	9.433	43	6625	5.766	ug/L	94
49) Dibromochloromethane	9.518	129	2363	2.207	ug/L	97
50) 1,2-Dibromoethane	9.610	107	2489	2.429	ug/L #	96
51) Chlorobenzene	10.079	112	6534	2.394	ug/L	99
52) Ethylbenzene	10.195	91	10944	2.387	ug/L	98
53) m,p-Xylene	10.305	106	4155	2.299	ug/L	90
54) o-Xylene	10.640	106	4029	2.330	ug/L	94
55) Styrene	10.659	104	6584	2.248	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	3598	2.783	ug/L	96
59) Bromoform	10.805	173	1543	2.179	ug/L	95
60) Isopropylbenzene	10.963	105	10182	2.284	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2931	2.504	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	6896	2.242	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	8488	2.272	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4608	2.323	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	4930	2.470	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	5110	2.665	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.939	75	644m	2.266	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3179	2.332	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	2740	2.277	ug/L	97
71) Naphthalene	13.774	128	8279	2.066	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2679	2.227	ug/L	100

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

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