

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057428.D
 Acq On : 09 Jan 2024 09:59
 Operator : MD/SY
 Sample : P1058-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YCH89MSD

Quant Time: Jan 09 11:37:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	260349	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	255925	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	124937	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	75451	42.107	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.220%		
7) Chloroethane-d5	1.914	69	60283	43.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.940%		
11) 1,1-Dichloroethene-d2	2.563	63	168521	44.370	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.740%		
21) 2-Butanone-d5	4.634	46	95199	109.641	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.640%		
24) Chloroform-d	5.055	84	192433	45.413	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.820%		
26) 1,2-Dichloroethane-d4	5.695	65	131327	46.914	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.820%		
32) Benzene-d6	5.721	84	333654	48.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.140%		
36) 1,2-Dichloropropane-d6	6.685	67	94513	48.744	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.480%		
41) Toluene-d8	7.891	98	311286	48.353	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.700%		
43) trans-1,3-Dichloroprop...	8.174	79	55325	47.804	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.600%		
47) 2-Hexanone-d5	8.637	63	70478	111.189	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.190%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	143662	49.580	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.160%		
66) 1,2-Dichlorobenzene-d4	12.187	152	120340	49.247	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	140138	47.183	ug/L	99
3) Chloromethane	1.518	50	91138	48.901	ug/L	98
5) Vinyl chloride	1.605	62	96952	48.593	ug/L	96
6) Bromomethane	1.859	94	63823	48.330	ug/L	99
8) Chloroethane	1.933	64	55696	47.724	ug/L	95
9) Trichlorofluoromethane	2.133	101	199785	47.991	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96148	48.092	ug/L	96
12) 1,1-Dichloroethene	2.573	96	88221	50.010	ug/L	96
13) Acetone	2.644	43	247326	233.907	ug/L	98
14) Carbon disulfide	2.789	76	263785	48.277	ug/L	99
15) Methyl Acetate	2.949	43	73940m	53.604	ug/L	
16) Methylene chloride	3.043	84	98052	48.886	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	90550	50.174	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	314187	54.389	ug/L	99
19) 1,1-Dichloroethane	3.859	63	171131	51.220	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	101209	52.426	ug/L	97
22) 2-Butanone	4.711	43	124556	119.552	ug/L	99
23) Bromochloromethane	4.965	128	54989	49.621	ug/L	98
25) Chloroform	5.081	83	202310	49.894	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	168978	49.473	ug/L	98
29) Cyclohexane	5.380	56	128585	53.106	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	198749	50.475	ug/L	98
31) Carbon tetrachloride	5.518	117	173368	49.642	ug/L	99
33) Benzene	5.766	78	375142	52.159	ug/L	100
34) Trichloroethene	6.534	95	105241	50.119	ug/L	97
35) Methylcyclohexane	6.756	83	145610	50.969	ug/L	99
37) 1,2-Dichloropropane	6.782	63	87726	49.428	ug/L	99
38) Bromodichloromethane	7.097	83	152081	50.583	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	160431	51.621	ug/L	100
40) 4-Methyl-2-pentanone	7.795	43	211849	117.148	ug/L	98
42) Toluene	7.962	91	410114	53.029	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	161113	51.637	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	103915	53.212	ug/L	97
46) Tetrachloroethene	8.547	164	78024	49.121	ug/L	97
48) 2-Hexanone	8.689	43	161455	110.973	ug/L	97
49) Dibromochloromethane	8.804	129	118573	49.823	ug/L	97
50) 1,2-Dibromoethane	8.917	107	109837	53.024	ug/L	98
51) Chlorobenzene	9.441	112	263782	50.761	ug/L	99
52) Ethylbenzene	9.566	91	455795	52.925	ug/L	97
53) m,p-Xylene	9.689	106	166632	51.760	ug/L	95
54) o-Xylene	10.094	106	168297	53.531	ug/L	100
55) Styrene	10.110	104	284909	53.515	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	155126	52.681	ug/L	96
59) Bromoform	10.287	173	96052	53.022	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	130476	55.135	ug/L	100
61) Isopropylbenzene	10.480	105	453174	55.387	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	393386	56.219	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	386463	56.262	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	202052	52.400	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	202598	51.185	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	204523	52.623	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	34800	55.072	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	140638	50.952	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	113628	54.071	ug/L	97
71) Naphthalene	14.081	128	289650	58.989	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	109555	55.127	ug/L	99

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

