

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059725.D
 Acq On : 02 Jul 2024 08:47
 Operator : MD/SY
 Sample : VSTD01078
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010078

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

Quant Time: Jul 03 01:33:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:21:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	319744	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	313275	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	160362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	19866	10.215	ug/L	0.00
7) Chloroethane-d5	1.910	69	16479	9.864	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	35642	9.477	ug/L	0.00
21) 2-Butanone-d5	4.627	46	27129m	15.719	ug/L	0.02
24) Chloroform-d	5.055	84	40021	10.384	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	23583	10.086	ug/L	0.00
32) Benzene-d6	5.721	84	78291	10.588	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	24241	9.734	ug/L	0.00
41) Toluene-d8	7.891	98	73115	11.339	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	10615	10.295	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	17857m	15.808	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	37586	9.057	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	28794	11.445	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	20004	6.759	ug/L	98
3) Chloromethane	1.518	50	20913	6.173	ug/L	93
5) Vinyl chloride	1.602	62	23901	7.080	ug/L	96
6) Bromomethane	1.853	94	11423	4.473	ug/L	91
8) Chloroethane	1.930	64	16758	7.839	ug/L	97
9) Trichlorofluoromethane	2.136	101	34015	8.416	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	20961	8.815	ug/L	96
12) 1,1-Dichloroethene	2.576	96	20319	9.410	ug/L	83
13) Acetone	2.618	43	33571	16.954	ug/L	96
14) Carbon disulfide	2.788	76	51191	7.284	ug/L	99
15) Methyl Acetate	2.946	43	23989	7.691	ug/L	91
16) Methylene chloride	3.039	84	26309	9.040	ug/L	99
17) trans-1,2-Dichloroethene	3.348	96	20870	8.963	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	64499	8.510	ug/L	99
19) 1,1-Dichloroethane	3.862	63	38903	7.930	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	24149	8.991	ug/L	98
22) 2-Butanone	4.701	43	38278m	15.939	ug/L	
23) Bromochloromethane	4.971	128	13273	9.689	ug/L	99
25) Chloroform	5.081	83	42055	8.728	ug/L	94
27) 1,2-Dichloroethane	5.791	62	32113	8.050	ug/L	98
29) Cyclohexane	5.380	56	28017	7.235	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	33339	8.589	ug/L	99
31) Carbon tetrachloride	5.518	117	28355	8.960	ug/L	95
33) Benzene	5.769	78	85329	7.983	ug/L	100
34) Trichloroethene	6.537	95	23645	8.948	ug/L	97
35) Methylcyclohexane	6.756	83	29506	7.691	ug/L	96
37) 1,2-Dichloropropane	6.785	63	24116	7.990	ug/L	98
38) Bromodichloromethane	7.100	83	30470	8.518	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	35259	8.318	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	58030	14.797	ug/L	97
42) Toluene	7.965	91	95311	8.792	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	33095	8.647	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	26361	9.489	ug/L	99
46) Tetrachloroethene	8.547	164	18771	10.253	ug/L	97
48) 2-Hexanone	8.679	43	49360m	14.905	ug/L	
49) Dibromochloromethane	8.801	129	24398	9.578	ug/L	94
50) 1,2-Dibromoethane	8.917	107	25976	9.021	ug/L	98
51) Chlorobenzene	9.441	112	64270	9.654	ug/L	99
52) Ethylbenzene	9.566	91	96422	8.597	ug/L	98
53) m,p-Xylene	9.688	106	37746	9.086	ug/L	92
54) o-Xylene	10.093	106	35443	8.790	ug/L	96
55) Styrene	10.110	104	58861	8.599	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	42491	8.452	ug/L	98
59) Bromoform	10.283	173	20277	9.784	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	33115	7.920	ug/L	97
61) Isopropylbenzene	10.479	105	93690	8.677	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	65181	8.331	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	67518	8.012	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	50606	9.821	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	52503	9.873	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	50353	9.434	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	8014	7.552	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	34564	10.051	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	29684	10.551	ug/L	97
71) Naphthalene	14.084	128	81493	9.150	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	30791	10.797	ug/L	99

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

