

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057377.D
 Acq On : 08 Jan 2024 11:58
 Operator : MD/SY
 Sample : VSTD01042
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010042

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/09/2024
 Supervised By : Mahesh Dadoda 01/09/2024

Quant Time: Jan 09 00:20:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:19:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	248134	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246902	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	118849	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	16764	9.816	ug/L	0.00
7) Chloroethane-d5	1.914	69	12774	9.665	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	36328	10.036	ug/L	0.00
21) 2-Butanone-d5	4.650	46	15406m	18.617	ug/L	0.02
24) Chloroform-d	5.058	84	39922	9.885	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	26932	10.095	ug/L	0.00
32) Benzene-d6	5.721	84	63184	9.533	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	18031	9.639	ug/L	0.00
41) Toluene-d8	7.894	98	55712	8.970	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	10235	9.167	ug/L	0.00
47) 2-Hexanone-d5	8.644	63	10477	17.133	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	26673	9.542	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	21761	9.362	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	30313	10.708	ug/L	94
3) Chloromethane	1.518	50	20433	11.503	ug/L	95
5) Vinyl chloride	1.605	62	20345	10.699	ug/L	96
6) Bromomethane	1.856	94	12941	10.282	ug/L	99
8) Chloroethane	1.933	64	11874	10.675	ug/L	93
9) Trichlorofluoromethane	2.133	101	41051	10.346	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	19575	10.273	ug/L	99
12) 1,1-Dichloroethene	2.576	96	16918	10.062	ug/L	96
13) Acetone	2.650	43	20603	20.191	ug/L	99
14) Carbon disulfide	2.788	76	54000	10.370	ug/L	98
15) Methyl Acetate	2.952	43	14247	10.837	ug/L #	88
16) Methylene chloride	3.046	84	20704	10.831	ug/L	85
17) trans-1,2-Dichloroethene	3.348	96	17781	10.338	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	53827	9.777	ug/L	98
19) 1,1-Dichloroethane	3.862	63	33321	10.464	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	18115	9.845	ug/L	99
22) 2-Butanone	4.724	43	21917m	22.072	ug/L	
23) Bromochloromethane	4.965	128	11224	10.627	ug/L	94
25) Chloroform	5.081	83	40762	10.548	ug/L	100
27) 1,2-Dichloroethane	5.792	62	33100	10.168	ug/L	98
29) Cyclohexane	5.380	56	22523	9.642	ug/L	96
30) 1,1,1-Trichloroethane	5.312	97	39729	10.458	ug/L	99
31) Carbon tetrachloride	5.518	117	35101	10.418	ug/L	99
33) Benzene	5.769	78	72095	10.390	ug/L	100
34) Trichloroethene	6.537	95	20315	10.028	ug/L	92
35) Methylcyclohexane	6.756	83	25025	9.080	ug/L	94
37) 1,2-Dichloropropane	6.785	63	18368	10.727	ug/L #	87
38) Bromodichloromethane	7.100	83	29307	10.104	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	28876	9.631	ug/L	95
40) 4-Methyl-2-pentanone	7.795	43	34894	20.001	ug/L	98
42) Toluene	7.965	91	75396	10.105	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	29001	9.634	ug/L	97

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45) 1,1,2-Trichloroethane	8.393	97	19661	10.436	ug/L	96
46) Tetrachloroethene	8.547	164	15801	10.311	ug/L	96
48) 2-Hexanone	8.692	43	26262	18.359	ug/L	92
49) Dibromochloromethane	8.804	129	23636	10.295	ug/L	94
50) 1,2-Dibromoethane	8.917	107	20658	10.337	ug/L	99
51) Chlorobenzene	9.444	112	50058	9.985	ug/L	98
52) Ethylbenzene	9.566	91	77398	9.316	ug/L	99
53) m,p-Xylene	9.692	106	29250	9.418	ug/L	93
54) o-Xylene	10.094	106	28645	9.444	ug/L	86
55) Styrene	10.113	104	45259	8.812	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	30835	10.854	ug/L	96
59) Bromoform	10.290	173	18035	10.466	ug/L #	94
60) 1,2,3-Trichloropropane	10.820	75	24601	10.928	ug/L	96
61) Isopropylbenzene	10.479	105	74374	9.556	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	59267	8.904	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	59285	9.073	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	37076	10.108	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	38422	10.204	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	37787	10.221	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	6493	10.802	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	25293	9.633	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	18059	9.034	ug/L	93
71) Naphthalene	14.084	128	40501	8.671	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	17800	9.416	ug/L	97

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

