

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057376.D
 Acq On : 08 Jan 2024 11:34
 Operator : MD/SY
 Sample : VSTD00541
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005041

Manual Integrations
 APPROVED

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

Quant Time: Jan 09 00:20:15 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	6.245	114	256827	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	251530	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	113796	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.602	65	9639	5.453	ug/L	0.00
7) Chloroethane-d5	1.914	69	7557	5.524	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	63	20284	5.414	ug/L	0.00
21) 2-Butanone-d5	4.657	46	7843m	9.157	ug/L	0.03
24) Chloroform-d	5.062	84	22788	5.452	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	14283	5.172	ug/L	0.00
32) Benzene-d6	5.724	84	35053	5.192	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	10196	5.350	ug/L	0.00
41) Toluene-d8	7.898	98	31737	5.016	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5304	4.663	ug/L	0.00
47) 2-Hexanone-d5	8.640	63	4892	7.853	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	15418	5.414	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	12669	5.692	ug/L	0.00
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.383	85	15437	5.269	ug/L	97
3) Chloromethane	1.518	50	9945	5.409	ug/L	100
5) Vinyl chloride	1.605	62	10361	5.264	ug/L	97
6) Bromomethane	1.859	94	7074	5.430	ug/L	88
8) Chloroethane	1.936	64	6318	5.488	ug/L	99
9) Trichlorofluoromethane	2.136	101	22751	5.540	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	11011	5.583	ug/L	98
12) 1,1-Dichloroethene	2.576	96	9827	5.647	ug/L	90
13) Acetone	2.647	43	11217	10.620	ug/L	61
14) Carbon disulfide	2.792	76	29072	5.394	ug/L	98
15) Methyl Acetate	2.956	43	6918	5.084	ug/L	95
16) Methylene chloride	3.046	84	11182	5.651	ug/L	95
17) trans-1,2-Dichloroethene	3.354	96	9178	5.155	ug/L	97
18) Methyl tert-butyl Ether	3.358	73	27344	4.798	ug/L	97
19) 1,1-Dichloroethane	3.862	63	17593	5.338	ug/L	94
20) cis-1,2-Dichloroethene	4.666	96	9489	4.983	ug/L	92
22) 2-Butanone	4.727	43	9351	9.098	ug/L	92
23) Bromochloromethane	4.972	128	5988	5.478	ug/L #	95
25) Chloroform	5.084	83	21384	5.346	ug/L	95
27) 1,2-Dichloroethane	5.795	62	17661	5.242	ug/L	98
29) Cyclohexane	5.383	56	11079	4.656	ug/L #	90
30) 1,1,1-Trichloroethane	5.309	97	20455	5.286	ug/L	99
31) Carbon tetrachloride	5.521	117	17665	5.147	ug/L	96
33) Benzene	5.772	78	35881	5.076	ug/L	100
34) Trichloroethene	6.541	95	11173	5.414	ug/L	96
35) Methylcyclohexane	6.756	83	13365	4.760	ug/L	98
37) 1,2-Dichloropropane	6.788	63	9290	5.326	ug/L #	94
38) Bromodichloromethane	7.100	83	15818	5.353	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	14455	4.732	ug/L	93
40) 4-Methyl-2-pentanone	7.791	43	15189	8.546	ug/L	95
42) Toluene	7.965	91	36164	4.758	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	14337	4.675	ug/L	96

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45) 1,1,2-Trichloroethane	8.393	97	9971	5.195	ug/L	91
46) Tetrachloroethene	8.550	164	8049	5.156	ug/L	97
48) 2-Hexanone	8.688	43	12849m	8.817	ug/L	
49) Dibromochloromethane	8.804	129	12288	5.254	ug/L	85
50) 1,2-Dibromoethane	8.920	107	9743	4.786	ug/L	87
51) Chlorobenzene	9.444	112	25815	5.055	ug/L	99
52) Ethylbenzene	9.566	91	37921	4.480	ug/L	99
53) m,p-Xylene	9.692	106	14312	4.523	ug/L	88
54) o-Xylene	10.097	106	13832	4.476	ug/L	75
55) Styrene	10.113	104	21682	4.144	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.778	83	14272	4.931	ug/L	98
59) Bromoform	10.290	173	9003	5.456	ug/L #	96
60) 1,2,3-Trichloropropane	10.820	75	11854	5.500	ug/L	96
61) Isopropylbenzene	10.479	105	33176	4.452	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	28765	4.513	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	26052	4.164	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	17004	4.842	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	18861	5.232	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	18339	5.181	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	2859	4.967	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	12601	5.012	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	7885	4.120	ug/L	96
71) Naphthalene	14.090	128	14431	3.227	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	7358	4.065	ug/L	97

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

