

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052811.D
 Acq On : 26 Jan 2023 11:27
 Operator : JC/MD
 Sample : VSTD00567
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005067

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/27/2023

Quant Time: Jan 27 04:12:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	263957	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	258281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	133765	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	9814	3.483	ug/L	0.00
7) Chloroethane-d5	1.916	69	7796	3.507	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.571	63	19661	4.105	ug/L	0.00
21) 2-Butanone-d5	4.636	46	11493	6.493	ug/L	0.00
24) Chloroform-d	5.060	84	20652	4.443	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	13111	4.318	ug/L	0.00
32) Benzene-d6	5.726	84	37725	4.246	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	10976	3.617	ug/L	0.00
41) Toluene-d8	7.896	98	32834	4.307	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	4958	3.672	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	6068	5.671	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	16860	4.142	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	13190	5.008	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	14475	6.067	ug/L	99
3) Chloromethane	1.520	50	12161	4.018	ug/L	97
5) Vinyl chloride	1.604	62	13061	4.522	ug/L	96
6) Bromomethane	1.858	94	8049	5.577	ug/L	100
8) Chloroethane	1.935	64	8329	4.491	ug/L	88
9) Trichlorofluoromethane	2.137	101	22048	6.269	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	12685	6.086	ug/L	98
12) 1,1-Dichloroethene	2.578	96	10823	5.614	ug/L	96
13) Acetone	2.639	43	19560	10.477	ug/L	100
14) Carbon disulfide	2.793	76	35536	6.034	ug/L	97
15) Methyl Acetate	2.948	43	11396	4.000	ug/L	97
16) Methylene chloride	3.047	84	14192	5.637	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	12115	5.984	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	33364	5.176	ug/L	98
19) 1,1-Dichloroethane	3.867	63	20908	4.693	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	12192	5.421	ug/L	100
22) 2-Butanone	4.713	43	17100m	7.918	ug/L	
23) Bromochloromethane	4.973	128	7377	6.331	ug/L #	93
25) Chloroform	5.086	83	24338	5.632	ug/L	97
27) 1,2-Dichloroethane	5.793	62	19157	5.390	ug/L	100
29) Cyclohexane	5.385	56	14658	4.235	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	21447	6.134	ug/L	96
31) Carbon tetrachloride	5.526	117	18369m	6.260	ug/L	
33) Benzene	5.771	78	48185	5.218	ug/L	100
34) Trichloroethene	6.539	95	12540	5.833	ug/L	92
35) Methylcyclohexane	6.761	83	17021	5.000	ug/L	96
37) 1,2-Dichloropropane	6.790	63	12252	4.638	ug/L	98
38) Bromodichloromethane	7.102	83	18192	5.561	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	16752	4.667	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	25052	7.273	ug/L	97
42) Toluene	7.967	91	45790	5.083	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	16727	4.832	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052811.D
 Acq On : 26 Jan 2023 11:27
 Operator : JC/MD
 Sample : VSTD00567
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005067

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/27/2023

Quant Time: Jan 27 04:12:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	12300	5.456	ug/L	96
46) Tetrachloroethene	8.549	164	10404	6.698	ug/L	97
48) 2-Hexanone	8.684	43	21666	7.625	ug/L	97
49) Dibromochloromethane	8.806	129	14466	5.997	ug/L	99
50) 1,2-Dibromoethane	8.918	107	12690	5.508	ug/L	95
51) Chlorobenzene	9.446	112	34418	5.941	ug/L	97
52) Ethylbenzene	9.568	91	46956	4.997	ug/L	99
53) m,p-Xylene	9.690	106	18694	5.249	ug/L	97
54) o-xylene	10.099	106	17642	5.144	ug/L	93
55) Styrene	10.111	104	29547	4.902	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	19200	4.781	ug/L	91
59) Bromoform	10.288	173	10736	6.695	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	15672	5.238	ug/L	99
61) Isopropylbenzene	10.481	105	44494	5.364	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	33662	4.943	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	31742	4.733	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	25093	6.283	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	27136	6.459	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	25272	6.141	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	4500	5.380	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	17877	6.277	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	15372	6.388	ug/L	97
71) Naphthalene	14.082	128	43103	5.868	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	16731	6.741	ug/L	97

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

