

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057883.D
 Acq On : 19 Feb 2024 15:55
 Operator : MD/SY
 Sample : VSTD01060
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010060

Quant Time: Feb 20 01:17:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda
 02/21/2024

Supervised By :Semsettin
 Yesilyurt
 02/21/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	272285	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	261143	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129457	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18554	8.640	ug/L	0.00
7) Chloroethane-d5	1.885	69	13907	8.461	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	38571	9.789	ug/L	0.00
21) 2-Butanone-d5	4.624	46	17789m	15.748	ug/L	0.01
24) Chloroform-d	5.052	84	32164	8.499	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	19996	8.340	ug/L	0.00
32) Benzene-d6	5.718	84	62498	8.152	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	19840	8.163	ug/L	0.00
41) Toluene-d8	7.891	98	54615	7.882	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	8689	7.346	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	14672	15.041	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	27356	8.577	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	19519	8.077	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	38316	15.484	ug/L	100
3) Chloromethane	1.515	50	40172	17.099	ug/L	97
5) Vinyl chloride	1.599	62	39264	16.063	ug/L	98
6) Bromomethane	1.824	94	14307	10.561	ug/L	99
8) Chloroethane	1.907	64	23094	16.000	ug/L	98
9) Trichlorofluoromethane	2.120	101	46746	13.992	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	26379	13.389	ug/L	98
12) 1,1-Dichloroethene	2.567	96	25105	13.951	ug/L	90
13) Acetone	2.612	43	34953	23.205	ug/L	96
14) Carbon disulfide	2.779	76	82336	14.686	ug/L	99
15) Methyl Acetate	2.936	43	29886	14.898	ug/L	99
16) Methylene chloride	3.033	84	34451	16.483	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	26147	14.222	ug/L	94
18) Methyl tert-butyl Ether	3.348	73	92665	14.389	ug/L	98
19) 1,1-Dichloroethane	3.853	63	56116	15.156	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	30908	14.571	ug/L	97
22) 2-Butanone	4.695	43	42579	25.938	ug/L	95
23) Bromochloromethane	4.962	128	14742	14.254	ug/L	94
25) Chloroform	5.078	83	54474	14.458	ug/L	98
27) 1,2-Dichloroethane	5.785	62	45847	14.681	ug/L	100
29) Cyclohexane	5.377	56	47297	13.785	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	45392	13.565	ug/L	99
31) Carbon tetrachloride	5.515	117	37881	12.980	ug/L	98
33) Benzene	5.763	78	119315	14.435	ug/L	100
34) Trichloroethene	6.534	95	29881	13.507	ug/L	95
35) Methylcyclohexane	6.753	83	45236	12.716	ug/L	100
37) 1,2-Dichloropropane	6.782	63	33646	14.723	ug/L	99
38) Bromodichloromethane	7.097	83	40488	14.291	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	49711	13.529	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	83081	29.247	ug/L	98
42) Toluene	7.962	91	120291	13.908	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	45233	13.410	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	30036	14.421	ug/L	99
46) Tetrachloroethene	8.547	164	20172	13.167	ug/L	96
48) 2-Hexanone	8.679	43	65317	26.653	ug/L	99
49) Dibromochloromethane	8.801	129	28453	13.573	ug/L	98
50) 1,2-Dibromoethane	8.917	107	31106	13.991	ug/L	100
51) Chlorobenzene	9.441	112	76637	14.014	ug/L	96
52) Ethylbenzene	9.563	91	131120	13.367	ug/L	94
53) m,p-Xylene	9.688	106	46780	13.036	ug/L	94
54) o-Xylene	10.094	106	46635	13.276	ug/L	99
55) Styrene	10.110	104	78529	13.313	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	49832	14.614	ug/L	96
59) Bromoform	10.287	173	19458	13.029	ug/L #	96
60) 1,2,3-Trichloropropane	10.817	75	39372	14.494	ug/L	99
61) Isopropylbenzene	10.479	105	124547	13.244	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	105991	13.327	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	106158	13.305	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	55098	13.457	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	56222	13.366	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	55712	13.532	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	8522	12.540	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	36261	12.740	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	27963	11.563	ug/L	98
71) Naphthalene	14.084	128	71894	11.122	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	25890	11.433	ug/L	98

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

