

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059724.D
 Acq On : 02 Jul 2024 08:24
 Operator : MD/SY
 Sample : VSTD00577
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005077

Quant Time: Jul 03 01:30:14 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	318749	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	309438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	156662	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	9649	4.977	ug/L	0.00
7) Chloroethane-d5	1.911	69	8549	5.133	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	18173	4.847	ug/L	0.00
21) 2-Butanone-d5	4.640	46	11828m	6.875	ug/L	0.03
24) Chloroform-d	5.058	84	18501	4.815	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	10936	4.692	ug/L	0.00
32) Benzene-d6	5.724	84	36010	4.930	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	11420	4.642	ug/L	0.00
41) Toluene-d8	7.894	98	33485	5.257	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4926	4.837	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	7459m	6.685	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	17052	4.160	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	14096	5.735	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	11035	3.740	ug/L	97
3) Chloromethane	1.518	50	10556	3.126	ug/L	92
5) Vinyl chloride	1.602	62	12380	3.678	ug/L	95
6) Bromomethane	1.853	94	6013	2.362	ug/L	95
8) Chloroethane	1.930	64	7731	3.627	ug/L	98
9) Trichlorofluoromethane	2.136	101	17205	4.270	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	10947	4.618	ug/L	97
12) 1,1-Dichloroethene	2.576	96	10202	4.739	ug/L	92
13) Acetone	2.621	43	17275	8.752	ug/L	99
14) Carbon disulfide	2.788	76	26308	3.755	ug/L	97
15) Methyl Acetate	2.946	43	11194	3.600	ug/L	95
16) Methylene chloride	3.039	84	14176	4.886	ug/L	94
17) trans-1,2-Dichloroethene	3.348	96	10121	4.360	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	33032	4.372	ug/L	98
19) 1,1-Dichloroethane	3.865	63	19691	4.027	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	12715	4.749	ug/L	99
22) 2-Butanone	4.708	43	20097m	8.394	ug/L	
23) Bromochloromethane	4.971	128	6561	4.804	ug/L	95
25) Chloroform	5.081	83	21226	4.419	ug/L	94
27) 1,2-Dichloroethane	5.791	62	16444	4.135	ug/L	98
29) Cyclohexane	5.383	56	13964	3.651	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	17646	4.602	ug/L	96
31) Carbon tetrachloride	5.518	117	13914	4.451	ug/L	97
33) Benzene	5.772	78	44961	4.259	ug/L	100
34) Trichloroethene	6.541	95	11794	4.518	ug/L	96
35) Methylcyclohexane	6.756	83	15617	4.121	ug/L	98
37) 1,2-Dichloropropane	6.785	63	12240	4.106	ug/L #	95
38) Bromodichloromethane	7.103	83	14874	4.209	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	17136	4.093	ug/L	94
40) 4-Methyl-2-pentanone	7.788	43	27747	7.163	ug/L	97
42) Toluene	7.968	91	45194	4.220	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	15776	4.173	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	12433	4.531	ug/L	97
46) Tetrachloroethene	8.550	164	10479	5.795	ug/L	95
49) Dibromochloromethane	8.804	129	12123	4.818	ug/L	92
50) 1,2-Dibromoethane	8.920	107	13162	4.627	ug/L	98
51) Chlorobenzene	9.441	112	31915	4.854	ug/L	97
52) Ethylbenzene	9.566	91	48156	4.347	ug/L	98
53) m,p-Xylene	9.692	106	18729	4.564	ug/L	87
54) o-Xylene	10.097	106	17299	4.343	ug/L	95
55) Styrene	10.113	104	26907	3.980	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	20852	4.199	ug/L	96
59) Bromoform	10.286	173	9855	4.867	ug/L #	96
60) 1,2,3-Trichloropropane	10.817	75	16699	4.088	ug/L	97
61) Isopropylbenzene	10.479	105	44323	4.202	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	31459	4.116	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	32050	3.893	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	24475	4.862	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	26482	5.098	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	25751	4.939	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	4146	4.000	ug/L	87
69) 1,3,5-Trichlorobenzene	13.216	180	17438	5.191	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	15252	5.549	ug/L	98
71) Naphthalene	14.084	128	37049	4.258	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	15057	5.405	ug/L	99

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

