

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059047.D
 Acq On : 29 May 2024 12:37
 Operator : MD/SY
 Sample : VSTD01072
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010072

Quant Time: May 30 00:08:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:07:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	187829	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	177644	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	81579	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	11243	6.135	ug/L	0.00
7) Chloroethane-d5	1.872	69	10206	6.716	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.557	63	22372	7.743	ug/L	0.00
21) 2-Butanone-d5	4.624	46	19008	14.580	ug/L	0.02
24) Chloroform-d	5.055	84	21673	6.778	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	13233	6.768	ug/L	0.00
32) Benzene-d6	5.717	84	40237	7.127	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	13965	7.403	ug/L	0.00
41) Toluene-d8	7.894	98	32644	6.502	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5189	6.172	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	10304	13.052	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	23349	8.108	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	12045	7.580	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	19451	13.817	ug/L	95
3) Chloromethane	1.515	50	22400	14.674	ug/L	98
5) Vinyl chloride	1.599	62	21661	12.597	ug/L	99
6) Bromomethane	1.824	94	18085	16.020	ug/L	95
8) Chloroethane	1.901	64	13382	11.744	ug/L	98
9) Trichlorofluoromethane	2.116	101	25786	11.535	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	15843	10.748	ug/L	95
12) 1,1-Dichloroethene	2.566	96	13342	10.978	ug/L	94
13) Acetone	2.618	43	25112	20.120	ug/L	99
14) Carbon disulfide	2.779	76	44703	16.893	ug/L	99
15) Methyl Acetate	2.939	43	20046	10.333	ug/L	# 49
16) Methylene chloride	3.033	84	18172	9.569	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	14372	11.652	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	44998	9.648	ug/L	99
19) 1,1-Dichloroethane	3.853	63	30341	10.037	ug/L	95
20) cis-1,2-Dichloroethene	4.653	96	16288	10.364	ug/L	90
22) 2-Butanone	4.701	43	30271m	19.261	ug/L	
23) Bromochloromethane	4.962	128	8551	10.471	ug/L	89
25) Chloroform	5.078	83	30519	9.703	ug/L	99
27) 1,2-Dichloroethane	5.782	62	25247	10.292	ug/L	96
29) Cyclohexane	5.377	56	22988	13.600	ug/L	96
30) 1,1,1-Trichloroethane	5.303	97	23952	11.007	ug/L	97
31) Carbon tetrachloride	5.515	117	19347	10.971	ug/L	99
33) Benzene	5.766	78	66169	11.802	ug/L	100
34) Trichloroethene	6.534	95	16476	11.298	ug/L	98
35) Methylcyclohexane	6.756	83	21443	11.817	ug/L	96
37) 1,2-Dichloropropane	6.782	63	19032	10.716	ug/L	99
38) Bromodichloromethane	7.097	83	20829	9.650	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	23649	9.682	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	44220	17.949	ug/L	98
42) Toluene	7.962	91	62791	10.654	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	20835	9.112	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	16281	9.492	ug/L	97
46) Tetrachloroethene	8.547	164	10354	10.669	ug/L	95
48) 2-Hexanone	8.682	43	38037	18.669	ug/L	92
49) Dibromochloromethane	8.804	129	14643	9.009	ug/L	94
50) 1,2-Dibromoethane	8.917	107	16324	9.862	ug/L	96
51) Chlorobenzene	9.441	112	37765	9.896	ug/L	97
52) Ethylbenzene	9.563	91	62015	9.792	ug/L	100
53) m,p-Xylene	9.688	106	22206	9.710	ug/L	96
54) o-Xylene	10.094	106	20455	8.995	ug/L	94
55) Styrene	10.110	104	34800m	8.691	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.775	83	29719	9.672	ug/L	100
59) Bromoform	10.283	173	10665	9.852	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	23996	11.356	ug/L	98
61) Isopropylbenzene	10.476	105	52838	9.844	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	36798	8.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	38295	8.973	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	26032	9.536	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	27347	9.925	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	27625	9.863	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	5489	9.686	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	15834	8.320	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	11125	6.879	ug/L	95
71) Naphthalene	14.087	128	33486m	7.116	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	11754	7.117	ug/L	97

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

