

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011824\
 Data File : VU057557.D
 Acq On : 18 Jan 2024 13:26
 Operator : MD/SY
 Sample : VSTD00547
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005047

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/19/2024
 Supervised By :Semsettin Yesilyurt 01/19/2024

Quant Time: Jan 19 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 01:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	406593	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	527240	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	164215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	18642	4.566	ug/L	0.00
7) Chloroethane-d5	1.914	69	15133	4.796	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	37138	5.045	ug/L	0.00
21) 2-Butanone-d5	4.660	46	19401m	10.962	ug/L	0.03
24) Chloroform-d	5.055	84	36230	5.776	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	23554	6.056	ug/L	0.00
32) Benzene-d6	5.721	84	65872	4.492	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	20584	3.791	ug/L	0.00
41) Toluene-d8	7.894	98	47281	3.145	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	10508	3.889	ug/L	0.00
47) 2-Hexanone-d5	8.663	63	12130	6.814	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.759	84	34154	4.814	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.197	152	15610	4.891	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	27745	5.228	ug/L	100
3) Chloromethane	1.518	50	25341	4.916	ug/L	96
5) Vinyl chloride	1.605	62	19881	4.088	ug/L	98
6) Bromomethane	1.859	94	8185	3.712	ug/L	92
8) Chloroethane	1.936	64	12103	4.392	ug/L	91
9) Trichlorofluoromethane	2.133	101	30684	5.154	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	18007	4.773	ug/L	100
12) 1,1-Dichloroethene	2.570	96	15338	4.555	ug/L	93
13) Acetone	2.647	43	28274	10.292	ug/L	90
14) Carbon disulfide	2.785	76	54475	4.601	ug/L	98
15) Methyl Acetate	2.956	43	15427	4.217	ug/L	99
16) Methylene chloride	3.043	84	19419	4.665	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	14687	4.154	ug/L	89
18) Methyl tert-butyl Ether	3.358	73	41981	3.860	ug/L #	95
19) 1,1-Dichloroethane	3.862	63	29224	4.931	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	14351	4.787	ug/L	89
22) 2-Butanone	4.737	43	26513m	11.562	ug/L	
23) Bromochloromethane	4.975	128	8855	5.513	ug/L	96
25) Chloroform	5.081	83	33126	5.465	ug/L	95
27) 1,2-Dichloroethane	5.792	62	26396	5.413	ug/L	100
29) Cyclohexane	5.380	56	20924	3.733	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	27801	4.400	ug/L	97
31) Carbon tetrachloride	5.518	117	22354	4.360	ug/L	94
33) Benzene	5.769	78	64133	4.140	ug/L	100
34) Trichloroethene	6.541	95	16114	3.532	ug/L	97
35) Methylcyclohexane	6.759	83	22015	3.118	ug/L	94
37) 1,2-Dichloropropane	6.785	63	19173m	3.783	ug/L	
38) Bromodichloromethane	7.100	83	23255	3.605	ug/L	97
39) cis-1,3-Dichloropropene	7.608	75	23174	3.126	ug/L	96
40) 4-Methyl-2-pentanone	7.820	43	32617	5.718	ug/L #	64
42) Toluene	7.965	91	56905	2.935	ug/L	95
44) trans-1,3-Dichloropropene	8.210	75	26903	3.579	ug/L	97

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45) 1,1,2-Trichloroethane	8.399	97	22187	4.598	ug/L	95
46) Tetrachloroethene	8.547	164	14306	4.391	ug/L	96
49) Dibromochloromethane	8.808	129	20233	4.195	ug/L	97
50) 1,2-Dibromoethane	8.923	107	20644	4.129	ug/L	93
51) Chlorobenzene	9.444	112	51428	4.530	ug/L	96
52) Ethylbenzene	9.570	91	71156	3.753	ug/L	98
53) m,p-Xylene	9.692	106	24395	3.498	ug/L	98
54) o-Xylene	10.097	106	23582	3.520	ug/L	95
55) Styrene	10.116	104	34003	3.031	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.785	83	32493	4.495	ug/L	95
59) Bromoform	10.296	173	13920	5.880	ug/L	97
60) 1,2,3-Trichloropropane	10.827	75	25036	6.128	ug/L	97
61) Isopropylbenzene	10.483	105	59570	4.673	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	46663	4.871	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	43757	4.501	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	24748	4.571	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	26394	4.781	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	24344	4.768	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	4272	5.051	ug/L	98
69) 1,3,5-Trichlorobenzene	13.219	180	16865	4.587	ug/L	94
70) 1,2,4-trichlorobenzene	13.840	180	13618	4.786	ug/L	95
71) Naphthalene	14.087	128	26788	3.953	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	12718	4.934	ug/L	100

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

