

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
 Data File : VU060508.D
 Acq On : 23 Aug 2024 12:15
 Operator : MD/SY
 Sample : VSTD0.512
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
 Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:18:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	87294	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	90662	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	42494	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	1812	0.470	ug/L	0.00
7) Chloroethane-d5	1.911	69	3750	0.642	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	962	0.423	ug/L	0.00
20) 2-Butanone-d5	4.660	46	5412m	4.082	ug/L	0.03
24) Chloroform-d	5.062	84	5813	0.529	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.705	65	2880	0.502	ug/L	0.00
32) Benzene-d6	5.724	84	8753	0.442	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	2994	0.468	ug/L	0.00
41) Toluene-d8	7.897	98	7726	0.415	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	904	0.395	ug/L	0.00
46) 2-Hexanone-d5	8.640	63	3728	3.402	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.753	84	2297	0.404	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	2989	0.477	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5516	0.557	ug/L	94
3) Chloromethane	1.518	50	4582	0.534	ug/L	98
5) Vinyl chloride	1.599	62	4204	0.497	ug/L	95
6) Bromomethane	1.856	94	5714	0.672	ug/L	99
8) Chloroethane	1.930	64	5599	0.726	ug/L	89
9) Trichlorofluoromethane	2.132	101	11566	0.629	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3931	0.506	ug/L	96
12) 1,1-Dichloroethene	2.576	96	3704	0.518	ug/L	78
13) Acetone	2.644	43	5594m	5.000	ug/L	
14) Carbon disulfide	2.788	76	12211	0.526	ug/L	99
15) Methyl Acetate	2.978	43	968	0.434	ug/L #	58
16) Methylene chloride	3.042	84	4198	0.604	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	7714	0.531	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	3570	0.573	ug/L	91
19) 1,1-Dichloroethane	3.865	63	7034	0.557	ug/L	96
21) 2-Butanone	4.734	43	7760m	5.115	ug/L	
22) cis-1,2-Dichloroethene	4.669	96	3530	0.509	ug/L	83
23) Bromochloromethane	4.975	128	1842	0.584	ug/L	85
25) Chloroform	5.087	83	7656	0.573	ug/L	88
27) 1,2-Dichloroethane	5.791	62	5022	0.560	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	7011	0.565	ug/L	97
30) Cyclohexane	5.383	56	5414	0.527	ug/L #	93
31) Carbon tetrachloride	5.518	117	6577	0.573	ug/L	96
33) Benzene	5.772	78	15030	0.523	ug/L	100
34) Trichloroethene	6.547	95	4633	0.594	ug/L #	81
35) Methylcyclohexane	6.756	83	5397	0.505	ug/L	96
37) 1,2-Dichloropropane	6.791	63	3829	0.520	ug/L #	91
38) Bromodichloromethane	7.107	83	5622	0.581	ug/L #	94
39) cis-1,3-Dichloropropene	7.608	75	5144	0.476	ug/L	93
40) 4-Methyl-2-pentanone	7.791	43	17837	4.648	ug/L	98
42) Toluene	7.965	91	14351	0.472	ug/L	89
44) trans-1,3-Dichloropropene	8.209	75	4120	0.465	ug/L	88

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

45) 1,1,2-Trichloroethane	8.399	97	2908	0.545	ug/L	92
47) Tetrachloroethene	8.550	164	3092	0.484	ug/L	96
48) 2-Hexanone	8.688	43	13087m	4.642	ug/L	
49) Dibromochloromethane	8.807	129	2921	0.473	ug/L	98
50) 1,2-Dibromoethane	8.923	107	2493	0.509	ug/L #	94
51) Chlorobenzene	9.444	112	11002	0.559	ug/L	92
52) Ethylbenzene	9.566	91	15447	0.480	ug/L	95
53) m,p-Xylene	9.692	106	5325	0.445	ug/L	91
54) o-Xylene	10.097	106	5739	0.468	ug/L	93
55) Styrene	10.116	104	8615	0.429	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.778	83	3554	0.522	ug/L	88
59) Bromoform	10.290	173	1979	0.567	ug/L #	90
60) Isopropylbenzene	10.479	105	13995	0.493	ug/L	97
61) 1,2,3-Trichloropropane	10.823	75	2726	0.665	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	11439	0.541	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	9873	0.457	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	7561	0.544	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	7807	0.554	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	7623	0.585	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	678	0.733	ug/L #	71
69) 1,3,5-Trichlorobenzene	13.216	180	7756	0.724	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	5745	0.665	ug/L	98
71) Naphthalene	14.100	128	5967	0.540	ug/L #	81
72) 1,2,3-Trichlorobenzene	14.325	180	4570	0.632	ug/L	96

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

