

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057359.D
 Acq On : 29 Dec 2023 09:19
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005117

Manual Integrations
 APPROVED

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

Quant Time: Dec 29 22:57:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 21:37:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	247691	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86583	4.066	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.914	69	80074	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.563	65	36203	4.272	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.640	46	207812	43.090	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.180%
24) Chloroform-d	5.058	84	175853	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.698	65	84369	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.721	84	315896	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.685	67	101760	4.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.894	98	272225	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.177	79	36035	4.117	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.631	63	154888	39.071	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	80833	4.412	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	87812	4.293	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	89607	4.984	ug/L	98
3) Chloromethane	1.518	50	103566	5.195	ug/L	97
5) Vinyl chloride	1.602	62	110959	5.367	ug/L	98
6) Bromomethane	1.856	94	56170	5.761	ug/L	96
8) Chloroethane	1.933	64	69447	5.181	ug/L	99
9) Trichlorofluoromethane	2.136	101	157757	5.296	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	90013	4.996	ug/L	97
12) 1,1-Dichloroethene	2.576	96	79983	4.941	ug/L	90
13) Acetone	2.663	43	128944m	41.022	ug/L	
14) Carbon disulfide	2.788	76	217199	4.705	ug/L	99
15) Methyl Acetate	2.959	43	30206	4.220	ug/L	99
16) Methylene chloride	3.042	84	97070	4.646	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	182844	4.474	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	80503	5.011	ug/L	94
19) 1,1-Dichloroethane	3.862	63	172499	5.110	ug/L	95
21) 2-Butanone	4.724	43	196178	43.698	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	87642	4.720	ug/L	96
23) Bromochloromethane	4.968	128	40777	4.912	ug/L	99
25) Chloroform	5.081	83	181744	5.104	ug/L	99

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27) 1,2-Dichloroethane	5.788	62	102544	4.595	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	155542	5.029	ug/L	99
30) Cyclohexane	5.383	56	110538	4.791	ug/L	98
31) Carbon tetrachloride	5.518	117	129273	4.982	ug/L	100
33) Benzene	5.769	78	356277	5.065	ug/L	100
34) Trichloroethene	6.537	95	92995	4.960	ug/L	95
35) Methylcyclohexane	6.759	83	113616	4.640	ug/L	99
37) 1,2-Dichloropropane	6.785	63	99054	5.060	ug/L	99
38) Bromodichloromethane	7.100	83	128347	5.083	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	120878	4.517	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	471215	47.249	ug/L	98
42) Toluene	7.965	91	369857	4.883	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	104892	4.495	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	69636	4.884	ug/L	99
47) Tetrachloroethene	8.550	164	61758	4.662	ug/L	98
48) 2-Hexanone	8.682	43	348668	47.418	ug/L	99
49) Dibromochloromethane	8.804	129	77651	4.783	ug/L	100
50) 1,2-Dibromoethane	8.920	107	59346	4.638	ug/L #	99
51) Chlorobenzene	9.441	112	222006	4.822	ug/L	98
52) Ethylbenzene	9.566	91	366615	4.850	ug/L	100
53) m,p-Xylene	9.688	106	138577	4.814	ug/L	98
54) o-Xylene	10.097	106	132716	4.850	ug/L	93
55) Styrene	10.110	104	229783	4.988	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	82406	4.672	ug/L	98
59) Bromoform	10.287	173	42564	4.839	ug/L	98
60) Isopropylbenzene	10.479	105	358151	5.200	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57499	4.903	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	270191	5.012	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	274949	5.130	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	170176	5.141	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	166195	4.933	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	156852	4.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	11484	4.453	ug/L	88
69) 1,3,5-Trichlorobenzene	13.216	180	114063	4.812	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	80290	4.269	ug/L	99
71) Naphthalene	14.084	128	109683	3.731	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	67451	4.114	ug/L	99

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

