

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102823\
 Data File : VU055985.D
 Acq On : 28 Oct 2023 19:43
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

Quant Time: Oct 30 04:57:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 30 04:51:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	365442	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	348839	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	185817	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	118506	4.099	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.914	69	102599	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.566	65	55249	4.502	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.624	46	249538	48.386	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.780%
24) Chloroform-d	5.058	84	259505	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.698	65	118945	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.724	84	524554	5.048	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.689	67	157477	5.112	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.894	98	483647	5.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	8.177	79	54146	4.494	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.631	63	211752	69.239	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.480%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	115656	5.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	172049	4.963	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	92066	4.420	ug/L	99
3) Chloromethane	1.518	50	80785	4.062	ug/L	97
5) Vinyl chloride	1.602	62	91543	4.179	ug/L	97
6) Bromomethane	1.856	94	55189	4.067	ug/L	97
8) Chloroethane	1.933	64	58123	4.528	ug/L	97
9) Trichlorofluoromethane	2.139	101	140091	4.637	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	95463	4.810	ug/L	99
12) 1,1-Dichloroethene	2.579	96	82447	4.655	ug/L	91
13) Acetone	2.637	43	109914	37.400	ug/L	97
14) Carbon disulfide	2.792	76	194855	4.297	ug/L	98
15) Methyl Acetate	2.956	43	27506	4.594	ug/L	91
16) Methylene chloride	3.046	84	94367	4.702	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	206745	4.810	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	85485	4.868	ug/L	97
19) 1,1-Dichloroethane	3.865	63	172761	4.845	ug/L	97
21) 2-Butanone	4.708	43	181123	41.925	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	103131	4.850	ug/L	89
23) Bromochloromethane	4.975	128	42484	4.904	ug/L	99
25) Chloroform	5.084	83	183301	4.794	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	101274	4.509	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	156352	4.918	ug/L	98
30) Cyclohexane	5.386	56	124180	4.629	ug/L	99
31) Carbon tetrachloride	5.521	117	134407	4.956	ug/L	96
33) Benzene	5.772	78	381929	4.961	ug/L	100
34) Trichloroethene	6.541	95	102825	4.775	ug/L	97
35) Methylcyclohexane	6.759	83	137597	4.734	ug/L	96
37) 1,2-Dichloropropane	6.788	63	102565	5.018	ug/L	98
38) Bromodichloromethane	7.103	83	126899	4.945	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	139445	4.789	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	460547	46.740	ug/L	97
42) Toluene	7.965	91	413615	5.141	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	111580	4.747	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	72759	5.063	ug/L	95
47) Tetrachloroethene	8.550	164	77610	5.146	ug/L	97
48) 2-Hexanone	8.682	43	352654	45.519	ug/L	99
49) Dibromochloromethane	8.807	129	82476	5.228	ug/L	96
50) 1,2-Dibromoethane	8.920	107	66000	5.061	ug/L	100
51) Chlorobenzene	9.444	112	266274	5.050	ug/L	99
52) Ethylbenzene	9.566	91	452595	4.963	ug/L	99
53) m,p-Xylene	9.692	106	175898	5.161	ug/L	99
54) o-Xylene	10.097	106	163961	4.916	ug/L	97
55) Styrene	10.113	104	289190	5.409	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	83691	5.030	ug/L #	95
59) Bromoform	10.286	173	47352	5.009	ug/L	98
60) Isopropylbenzene	10.483	105	461192	4.981	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	57315	4.493	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	363852	4.808	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	362023	5.150	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	215659	4.913	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	215488	4.919	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	200385	4.972	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	12748	5.600	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	156112	5.205	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	125125	5.644	ug/L	99
71) Naphthalene	14.084	128	172541	5.374	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	106789	5.587	ug/L	99

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

