

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010521\
 Data File : VU041849.D
 Acq On : 05 Jan 2021 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: Jan 06 06:30:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 05 11:37:58 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	156562	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	149809	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	81100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52408	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.92	69	49916	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.57	65	24128	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.66	46	155064	44.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.50%
24) Chloroform-d	5.08	84	105343	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.71	65	55858	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.74	84	197657	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.70	67	63372	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.90	98	184810	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.18	79	25957	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	143951	47.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.84%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	61059	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	73261	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	74005	5.164	ug/L 100
3) Chloromethane	1.52	50	73786	5.662	ug/L 98
5) Vinyl chloride	1.61	62	84525	5.294	ug/L 98
6) Bromomethane	1.86	94	47628	4.355	ug/L 99
8) Chloroethane	1.94	64	51438	5.089	ug/L 99
9) Trichlorofluoromethane	2.14	101	112281	5.090	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	64746	5.211	ug/L 98
12) 1,1-Dichloroethene	2.59	96	63101	5.122	ug/L 91
13) Acetone	2.67	43	113857	47.070	ug/L # 43
14) Carbon disulfide	2.80	76	206603	5.010	ug/L 98
15) Methyl Acetate	2.97	43	25979	4.583	ug/L 100
16) Methylene chloride	3.06	84	70748	4.531	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	148495	4.975	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	64011	5.372	ug/L 94
19) 1,1-Dichloroethane	3.88	63	100254	4.740	ug/L 97
21) 2-Butanone	4.74	43	152961	45.814	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	63135	5.102	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31075	5.171	ug/L	95
25) Chloroform	5.10	83	108437	5.076	ug/L	97
27) 1,2-Dichloroethane	5.81	62	66279	4.768	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	90779	5.066	ug/L	96
30) Cyclohexane	5.40	56	88069	5.336	ug/L	96
31) Carbon tetrachloride	5.54	117	83510	5.262	ug/L	99
33) Benzene	5.78	78	236834	5.304	ug/L	100
34) Trichloroethene	6.55	95	63235	5.417	ug/L	98
35) Methylcyclohexane	6.77	83	101722	5.684	ug/L	99
37) 1,2-Dichloropropane	6.80	63	62524	5.634	ug/L	99
38) Bromodichloromethane	7.11	83	78671	5.399	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	86795	5.217	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	352601	49.639	ug/L	100
42) Toluene	7.97	91	262728	5.577	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	78618	5.163	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	46809	5.209	ug/L	96
47) Tetrachloroethene	8.56	164	50077	5.487	ug/L	98
48) 2-Hexanone	8.69	43	259966	50.049	ug/L	98
49) Dibromochloromethane	8.81	129	58469	5.410	ug/L	97
50) 1,2-Dibromoethane	8.93	107	44586	5.012	ug/L #	98
51) Chlorobenzene	9.45	112	166471	5.389	ug/L	98
52) Ethylbenzene	9.57	91	274401	5.590	ug/L	99
53) m,p-Xylene	9.69	106	109057	5.664	ug/L	100
54) o-Xylene	10.10	106	104340	5.689	ug/L	100
55) Styrene	10.11	104	179013	5.669	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	63196	5.354	ug/L	97
59) Bromoform	10.29	173	35196	5.037	ug/L	98
60) Isopropylbenzene	10.48	105	277206	5.462	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	43916	4.823	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	229117	5.500	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	233477	5.645	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	134258	5.471	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	133798	5.365	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	130770	5.359	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	10642	5.078	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	102367	5.567	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	80177	5.977	ug/L	99
71) Naphthalene	14.08	128	136447	5.767	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	74902	5.846	ug/L	96

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

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