

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040286.D
 Acq On : 24 Sep 2020 21:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: Sep 25 02:57:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:46:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	209182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	205657	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	108822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	65876	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	56741	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	65	34063	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.66	46	265562	52.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.32%
24) Chloroform-d	5.08	84	135423	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	78837	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.74	84	256821	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	84786	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	234611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.18	79	36122	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	191037	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	73721	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
66) 1,2-Dichlorobenzene-d4	12.19	152	90834	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	106416	4.887	ug/L	98
3) Chloromethane	1.53	50	105532	4.912	ug/L	99
5) Vinyl chloride	1.61	62	105317	4.981	ug/L	98
6) Bromomethane	1.87	94	56531	4.998	ug/L	98
8) Chloroethane	1.94	64	63271	5.013	ug/L	97
9) Trichlorofluoromethane	2.15	101	135189	4.745	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	85908	4.886	ug/L	99
12) 1,1-Dichloroethene	2.59	96	80595	4.943	ug/L	99
13) Acetone	2.67	43	219379	53.189	ug/L	100
14) Carbon disulfide	2.81	76	276982	4.850	ug/L	98
15) Methyl Acetate	2.97	43	51428	5.133	ug/L	98
16) Methylene chloride	3.06	84	124708	6.093	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	220490	5.086	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	85676	4.972	ug/L	97
19) 1,1-Dichloroethane	3.89	63	170339	5.021	ug/L	97
21) 2-Butanone	4.74	43	354529	53.355	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	91866	5.088	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	42245	4.996	ug/L	97
25) Chloroform	5.11	83	170781	5.020	ug/L	99
27) 1,2-Dichloroethane	5.81	62	121564	4.970	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	144171	4.996	ug/L	99
30) Cyclohexane	5.40	56	158861	5.039	ug/L	99
31) Carbon tetrachloride	5.54	117	123724	5.012	ug/L	97
33) Benzene	5.79	78	365646	5.124	ug/L	100
34) Trichloroethene	6.55	95	94739	5.114	ug/L	99
35) Methylcyclohexane	6.77	83	140869	4.858	ug/L	100
37) 1,2-Dichloropropane	6.80	63	98970	4.995	ug/L	99
38) Bromodichloromethane	7.11	83	123385	5.093	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	135548	5.025	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	815384	53.755	ug/L	99
42) Toluene	7.98	91	380754	5.277	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	125503	5.020	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	70087	5.201	ug/L	94
47) Tetrachloroethene	8.56	164	66131	4.947	ug/L	95
48) 2-Hexanone	8.69	43	614277	55.409	ug/L	99
49) Dibromochloromethane	8.81	129	81010	5.201	ug/L	99
50) 1,2-Dibromoethane	8.93	107	68657	5.235	ug/L	92
51) Chlorobenzene	9.45	112	235170	5.068	ug/L	98
52) Ethylbenzene	9.57	91	411843	5.167	ug/L	100
53) m,p-Xylene	9.69	106	155557	5.412	ug/L	98
54) o-Xylene	10.10	106	144365	5.213	ug/L	100
55) Styrene	10.11	104	258558	5.417	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	91340	5.114	ug/L	99
59) Bromoform	10.29	173	45523	5.132	ug/L	96
60) Isopropylbenzene	10.48	105	395030	5.178	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	70703	5.004	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	318963	5.163	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	331684	5.307	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	191133	5.064	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	193116	4.958	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	181863	5.073	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	15955	4.813	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	129730	4.874	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	106476	4.958	ug/L	99
71) Naphthalene	14.08	128	184005	4.938	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	101872	5.310	ug/L	94

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

