

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031420\
 Data File : VU037260.D
 Acq On : 14 Mar 2020 13:34
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Mar 16 05:15:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 14 00:24:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	135610	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	132517	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36676	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	33538	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.59	63	78511	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.67	46	106483	46.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	5.11	84	76641	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.74	65	48162	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.76	84	149064	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	47103	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.93	98	147745	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.20	79	21045	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.66	63	92344	52.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.30%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40358	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	55981	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	77371	4.431	ug/L	99
3) Chloromethane	1.54	50	75136	5.043	ug/L	99
5) Vinyl chloride	1.62	62	65791	4.931	ug/L	92
6) Bromomethane	1.87	94	32170	6.415	ug/L	97
8) Chloroethane	1.95	64	37018	5.413	ug/L	97
9) Trichlorofluoromethane	2.16	101	102837	5.431	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	46799	4.782	ug/L	98
12) 1,1-Dichloroethene	2.60	96	41074	4.640	ug/L	98
13) Acetone	2.66	43	91432	48.985	ug/L	93
14) Carbon disulfide	2.82	76	134405	4.577	ug/L	99
15) Methyl Acetate	2.98	43	21771	4.984	ug/L	95
16) Methylene chloride	3.08	84	48249	4.540	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	117799	4.954	ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	44634	4.769	ug/L	98
19) 1,1-Dichloroethane	3.91	63	89434	4.721	ug/L	99
21) 2-Butanone	4.75	43	141499	48.158	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	49127	4.770	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	22561	4.998	ug/L	99
25) Chloroform	5.13	83	101558	4.914	ug/L	100
27) 1,2-Dichloroethane	5.83	62	68945	4.786	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	89249	5.259	ug/L	97
30) Cyclohexane	5.43	56	79004	4.812	ug/L	98
31) Carbon tetrachloride	5.56	117	76883	5.229	ug/L	98
33) Benzene	5.81	78	199080	5.081	ug/L	100
34) Trichloroethene	6.57	95	54309	5.133	ug/L	97
35) Methylcyclohexane	6.79	83	88026	5.382	ug/L	97
37) 1,2-Dichloropropane	6.83	63	53196	5.159	ug/L	99
38) Bromodichloromethane	7.14	83	71454	5.224	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	78530	5.306	ug/L	93
40) 4-Methyl-2-pentanone	7.83	43	349453	47.898	ug/L	97
42) Toluene	8.00	91	221592	5.268	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	66641	5.398	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	37187	4.999	ug/L	98
47) Tetrachloroethene	8.58	164	43398	5.275	ug/L	99
48) 2-Hexanone	8.71	43	264094	51.919	ug/L	99
49) Dibromochloromethane	8.83	129	48289	5.390	ug/L	97
50) 1,2-Dibromoethane	8.95	107	36176	5.128	ug/L #	97
51) Chlorobenzene	9.47	112	136966	5.058	ug/L	97
52) Ethylbenzene	9.59	91	249541	5.365	ug/L	99
53) m,p-Xylene	9.72	106	91624	5.480	ug/L	99
54) o-Xylene	10.12	106	89163	5.469	ug/L	99
55) Styrene	10.14	104	148248	5.545	ug/L	98
56) Isopropylbenzene	10.50	105	249694	5.708	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	47710	5.194	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	35739	4.844	ug/L	98
61) Bromoform	10.31	173	28460	5.572	ug/L #	99
62) 1,3-Dichlorobenzene	11.76	146	111884	5.100	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	110320	5.064	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	105174	5.057	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	8849	5.542	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	85849	5.717	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	60734	5.964	ug/L	99
69) Naphthalene	14.13	128	82907	5.700	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	55093	5.766	ug/L	99

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

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