

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028158.D
 Acq On : 15 Nov 2018 06:51
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Nov 15 08:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	136664	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	131256	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	62783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55318	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.68	69	44193	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.28	63	103473	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.19	46	178711	54.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.66%
24) Chloroform-d	4.65	84	93724	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	51718	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.34	84	187771	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.33	67	67675	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.57	98	171911	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.85	79	21432	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.31	63	140477	51.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50112	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	58481	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	60425	5.013	ug/L 100
3) Chloromethane	1.33	50	73852	4.793	ug/L 99
5) Vinyl chloride	1.40	62	71904	4.912	ug/L 99
6) Bromomethane	1.63	94	24081	3.435	ug/L 96
8) Chloroethane	1.70	64	41175	4.672	ug/L 98
9) Trichlorofluoromethane	1.89	101	79852	5.001	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	43450	4.847	ug/L 97
12) 1,1-Dichloroethene	2.29	96	42563	4.684	ug/L 94
13) Acetone	2.32	43	103409	46.681	ug/L 98
14) Carbon disulfide	2.48	76	145981	4.791	ug/L 98
15) Methyl Acetate	2.62	43	29781	5.027	ug/L 96
16) Methylene chloride	2.70	84	48741	4.540	ug/L 92
17) Methyl tert-butyl Ether	3.01	73	125522	4.941	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	45646	4.725	ug/L 100
19) 1,1-Dichloroethane	3.45	63	100484	4.946	ug/L 99
21) 2-Butanone	4.28	43	183732	52.555	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	55205	5.183	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	20421	4.852	ug/L	95
25) Chloroform	4.68	83	93217	5.115	ug/L	99
27) 1,2-Dichloroethane	5.41	62	62450	5.213	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	72845	4.904	ug/L	99
30) Cyclohexane	4.99	56	104397	5.012	ug/L	98
31) Carbon tetrachloride	5.13	117	61218	4.965	ug/L	97
33) Benzene	5.39	78	219998	4.975	ug/L	100
34) Trichloroethene	6.19	95	53868	4.929	ug/L	98
35) Methylcyclohexane	6.41	83	89869	4.783	ug/L	96
37) 1,2-Dichloropropane	6.43	63	61190	5.004	ug/L	99
38) Bromodichloromethane	6.76	83	64241	4.937	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	75285	4.554	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	450455	53.494	ug/L	98
42) Toluene	7.64	91	228156	5.004	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	58515	4.517	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	37345	5.059	ug/L	99
47) Tetrachloroethene	8.23	164	37958	4.272	ug/L	94
48) 2-Hexanone	8.37	43	320549	53.499	ug/L	98
49) Dibromochloromethane	8.48	129	38199	4.860	ug/L	99
50) 1,2-Dibromoethane	8.59	107	34835	5.012	ug/L	99
51) Chlorobenzene	9.12	112	130302	4.888	ug/L	96
52) Ethylbenzene	9.25	91	248749	4.999	ug/L	98
53) m,p-xylene	9.38	106	89825	4.954	ug/L	100
54) o-xylene	9.78	106	85839	4.918	ug/L	97
55) Styrene	9.79	104	145890	4.942	ug/L	100
56) Isopropylbenzene	10.17	105	233316	4.942	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	49010	5.150	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	34532	5.028	ug/L	99
61) Bromoform	9.96	173	19498	4.593	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	98342	4.954	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	99844	4.969	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	94595	4.983	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7003	5.084	ug/L	87
67) 1,3,5-Trichlorobenzene	12.89	180	74359	4.883	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	66191	4.987	ug/L	99
69) Naphthalene	13.74	128	119488	4.830	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	59927	4.901	ug/L	99

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

