

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035201.D
 Acq On : 17 Oct 2019 09:39
 Operator : JC/SP
 Sample : VSTD0.506
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:10:41 PM

Quant Time: Oct 18 02:28:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 02:07:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	403488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	384106	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	156011	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	12859	0.53	ug/L	0.00
7) Chloroethane-d5	1.93	69	10581	0.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	22851	0.46	ug/L	0.00
20) 2-Butanone-d5	4.73	46	32086	4.48	ug/L	0.00
24) Chloroform-d	5.12	84	21957	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	13410	0.50	ug/L	0.00
32) Benzene-d6	5.78	84	42339	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	13841	0.46	ug/L	0.00
41) Toluene-d8	7.93	98	41250	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	6518	0.56	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	25407	4.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	11742	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	13626	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	16833	0.461 ug/L	97
3) Chloromethane	1.53	50	17256	0.440 ug/L	100
5) Vinyl chloride	1.62	62	17593	0.453 ug/L	92
6) Bromomethane	1.88	94	9533	0.433 ug/L	97
8) Chloroethane	1.95	64	11137	0.476 ug/L	99
9) Trichlorofluoromethane	2.16	101	23035	0.480 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13057	0.470 ug/L	92
12) 1,1-Dichloroethene	2.61	96	12860	0.496 ug/L	94
13) Acetone	2.70	43	23957	4.234 ug/L	100
14) Carbon disulfide	2.83	76	41217	0.482 ug/L	99
15) Methyl Acetate	3.02	43	5948	0.403 ug/L	91
16) Methylene chloride	3.09	84	17219	0.540 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	34529	0.485 ug/L #	93
18) trans-1,2-Dichloroethene	3.39	96	14053	0.502 ug/L	94
19) 1,1-Dichloroethane	3.92	63	25722	0.473 ug/L	95
21) 2-Butanone	4.80	43	36564	4.489 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	15019	0.482 ug/L	92
23) Bromochloromethane	5.03	128	6367	0.489 ug/L	90
25) Chloroform	5.14	83	31475	0.517 ug/L	99
27) 1,2-Dichloroethane	5.85	62	17649	0.490 ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	23262	0.532 ug/L	95
30) Cyclohexane	5.43	56	24159	0.505 ug/L	99
31) Carbon tetrachloride	5.57	117	19939	0.525 ug/L	99
33) Benzene	5.82	78	55768	0.481 ug/L	100
34) Trichloroethene	6.58	95	15864	0.529 ug/L	97
35) Methylcyclohexane	6.80	83	24049	0.491 ug/L	97
37) 1,2-Dichloropropane	6.84	63	14923	0.484 ug/L #	97
38) Bromodichloromethane	7.15	83	19458	0.524 ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	23523	0.539 ug/L #	82
40) 4-Methyl-2-pentanone	7.85	43	93161	4.720 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.01	91	61793	0.509	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	18625	0.547	ug/L	88
45) 1,1,2-Trichloroethane	8.44	97	10761	0.514	ug/L	98
47) Tetrachloroethene	8.59	164	12262	0.501	ug/L	97
48) 2-Hexanone	8.74	43	62919	4.632	ug/L	98
49) Dibromochloromethane	8.85	129	13038	0.530	ug/L	96
50) 1,2-Dibromoethane	8.96	107	10457	0.518	ug/L #	99
51) Chlorobenzene	9.48	112	40869	0.517	ug/L	97
52) Ethylbenzene	9.60	91	70895	0.524	ug/L	99
53) m,p-Xylene	9.73	106	25734	0.513	ug/L	96
54) o-Xylene	10.13	106	25495	0.520	ug/L	98
55) Styrene	10.15	104	38867	0.489	ug/L	96
56) Isopropylbenzene	10.51	105	67601	0.515	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.82	83	13757	0.488	ug/L	97
59) 1,2,3-Trichloropropane	10.86	75	9726m	0.478	ug/L	
61) Bromoform	10.32	173	8030	0.699	ug/L	98
62) 1,3-Dichlorobenzene	11.78	146	26958	0.552	ug/L	96
63) 1,4-Dichlorobenzene	11.87	146	26618	0.541	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	24913	0.532	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	1823	0.609	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.25	180	11679	0.359	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	5223	0.222	ug/L	97
69) Naphthalene	14.12	128	7137	0.202	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	5241	0.230	ug/L	93

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

