

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062719\
 Data File : VU033053.D
 Acq On : 27 Jun 2019 09:41
 Operator : JC/SP
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 1:58:38 PM

Quant Time: Jun 28 01:48:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 28 01:32:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87568	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	88612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	45899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	2997	0.51	ug/L	0.00
7) Chloroethane-d5	1.68	69	2292	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	6005	0.47	ug/L	0.00
20) 2-Butanone-d5	4.20	46	7453	4.21	ug/L	0.00
24) Chloroform-d	4.64	84	5947	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3510	0.51	ug/L	0.00
32) Benzene-d6	5.33	84	10217	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3189	0.45	ug/L	0.00
41) Toluene-d8	7.56	98	9511	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1226	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	4445	3.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2748	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	4465	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4384	0.486 ug/L	99
3) Chloromethane	1.32	50	4388	0.517 ug/L	98
5) Vinyl chloride	1.40	62	4419	0.516 ug/L	96
6) Bromomethane	1.63	94	2221	0.495 ug/L	95
8) Chloroethane	1.70	64	2438	0.491 ug/L	100
9) Trichlorofluoromethane	1.88	101	5899	0.486 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3175	0.505 ug/L	96
12) 1,1-Dichloroethene	2.28	96	3005	0.516 ug/L	98
13) Acetone	2.32	43	7755	5.201 ug/L	99
14) Carbon disulfide	2.47	76	10034	0.517 ug/L	97
15) Methyl Acetate	2.62	43	1784	0.517 ug/L	99
16) Methylene chloride	2.69	84	3648	0.546 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	8102	0.495 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	3232	0.507 ug/L	85
19) 1,1-Dichloroethane	3.43	63	6318	0.504 ug/L	96
21) 2-Butanone	4.28	43	9986	4.757 ug/L #	73
22) cis-1,2-Dichloroethene	4.21	96	3379	0.488 ug/L	96
23) Bromochloromethane	4.54	128	1277	0.415 ug/L #	79
25) Chloroform	4.67	83	5922	0.465 ug/L	96
27) 1,2-Dichloroethane	5.40	62	4304	0.493 ug/L #	92
29) 1,1,1-Trichloroethane	4.91	97	5359	0.476 ug/L	99
30) Cyclohexane	4.98	56	4972	0.477 ug/L	97
31) Carbon tetrachloride	5.12	117	4907	0.479 ug/L	96
33) Benzene	5.38	78	12694	0.486 ug/L	100
34) Trichloroethene	6.18	95	3435	0.480 ug/L	94
35) Methylcyclohexane	6.41	83	4802	0.451 ug/L	95
37) 1,2-Dichloropropane	6.43	63	3561	0.508 ug/L #	87
38) Bromodichloromethane	6.75	83	4531	0.490 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	4493	0.440 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	21199	4.390 ug/L	98

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

42) Toluene	7.63	91	12726	0.456	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	3486	0.419	ug/L	87
45) 1,1,2-Trichloroethane	8.06	97	2348	0.478	ug/L	94
47) Tetrachloroethene	8.22	164	2606	0.453	ug/L	92
48) 2-Hexanone	8.37	43	14380	4.162	ug/L	97
49) Dibromochloromethane	8.47	129	2790	0.448	ug/L	99
50) 1,2-Dibromoethane	8.58	107	2295	0.479	ug/L #	99
51) Chlorobenzene	9.12	112	8675	0.471	ug/L	97
52) Ethylbenzene	9.25	91	13832	0.450	ug/L	97
53) m,p-Xylene	9.37	106	4917	0.441	ug/L	96
54) o-Xylene	9.77	106	4409	0.406	ug/L	98
55) Styrene	9.79	104	7377	0.401	ug/L	96
56) Isopropylbenzene	10.16	105	12510	0.424	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	2880	0.452	ug/L	91
59) 1,2,3-Trichloropropane	10.49	75	2198	0.469	ug/L	99
61) Bromoform	9.96	173	1595	0.457	ug/L #	94
62) 1,3-Dichlorobenzene	11.41	146	7008	0.488	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	7620	0.509	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	6718	0.483	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	350	0.366	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.89	180	5126	0.448	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	2560	0.313	ug/L #	85
69) Naphthalene	13.76	128	3376m	0.310	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2923	0.365	ug/L #	85

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

