

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101718\
 Data File : VU027664.D
 Acq On : 17 Oct 2018 08:12
 Operator : MD/SY
 Sample : VSTD0.541
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:50:01 PM

Quant Time: Oct 19 05:54:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:48:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	82739	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	79062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38440	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3865	0.59	ug/L	0.00
7) Chloroethane-d5	1.68	69	2830	0.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6638	0.57	ug/L	0.00
20) 2-Butanone-d5	4.23	46	10676	5.71	ug/L	0.00
24) Chloroform-d	4.65	84	5792	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3155	0.55	ug/L	0.00
32) Benzene-d6	5.34	84	11680	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	4044	0.54	ug/L	0.00
41) Toluene-d8	7.57	98	11326	0.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1948	0.59	ug/L	0.00
46) 2-Hexanone-d5	8.33	63	8697	5.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	3624	0.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4065	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4076	0.604 ug/L	97
3) Chloromethane	1.33	50	4583	0.570 ug/L	89
5) Vinyl chloride	1.41	62	4582	0.567 ug/L	96
6) Bromomethane	1.63	94	2562	0.592 ug/L	89
8) Chloroethane	1.70	64	2643	0.568 ug/L	98
9) Trichlorofluoromethane	1.89	101	5253	0.564 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3203	0.570 ug/L	97
12) 1,1-Dichloroethene	2.29	96	3352	0.599 ug/L	98
13) Acetone	2.36	43	7274	6.084 ug/L	92
14) Carbon disulfide	2.48	76	10887	0.561 ug/L #	93
15) Methyl Acetate	2.64	43	1762	0.552 ug/L	100
16) Methylene chloride	2.70	84	3418	0.560 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	8611	0.556 ug/L	95
18) trans-1,2-Dichloroethene	2.99	96	3283	0.552 ug/L	94
19) 1,1-Dichloroethane	3.45	63	6762	0.571 ug/L	93
21) 2-Butanone	4.31	43	11552	5.561 ug/L	92
22) cis-1,2-Dichloroethene	4.23	96	3644	0.553 ug/L #	92
23) Bromochloromethane	4.55	128	1861	0.627 ug/L	80
25) Chloroform	4.68	83	6572	0.575 ug/L	91
27) 1,2-Dichloroethane	5.41	62	4263	0.589 ug/L #	64
29) 1,1,1-Trichloroethane	4.92	97	5573	0.575 ug/L	98
30) Cyclohexane	4.99	56	6893	0.566 ug/L	96
31) Carbon tetrachloride	5.13	117	5147	0.586 ug/L	94
33) Benzene	5.39	78	14916	0.576 ug/L	100
34) Trichloroethene	6.19	95	3618	0.540 ug/L	95
35) Methylcyclohexane	6.41	83	6335	0.549 ug/L	94
37) 1,2-Dichloropropane	6.44	63	4195	0.565 ug/L #	96
38) Bromodichloromethane	6.76	83	5129	0.594 ug/L	94
39) cis-1,3-Dichloropropene	7.28	75	5656	0.523 ug/L	88
40) 4-Methyl-2-pentanone	7.48	43	28204	5.624 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	15402	0.554	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	4890	0.548	ug/L	87
45) 1,1,2-Trichloroethane	8.07	97	2849	0.596	ug/L	97
47) Tetrachloroethene	8.23	164	3107	0.581	ug/L	91
48) 2-Hexanone	8.38	43	19559	5.444	ug/L	96
49) Dibromochloromethane	8.48	129	3295	0.555	ug/L	95
50) 1,2-Dibromoethane	8.59	107	2495	0.557	ug/L #	97
51) Chlorobenzene	9.12	112	9467	0.555	ug/L	98
52) Ethylbenzene	9.25	91	16977	0.551	ug/L	98
53) m,p-xylene	9.38	106	6153	0.537	ug/L	97
54) o-xylene	9.78	106	6285	0.558	ug/L	95
55) Styrene	9.79	104	10200	0.539	ug/L	96
56) Isopropylbenzene	10.17	105	16433	0.549	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	4099	0.656	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	2345m	0.549	ug/L	
61) Bromoform	9.96	173	1973	0.573	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	6917	0.542	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	7122	0.556	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	6931	0.565	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	573	0.568	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.89	180	5800	0.560	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4625	0.518	ug/L	97
69) Naphthalene	13.75	128	7660	0.513	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	4439	0.532	ug/L	97

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

