

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029327.D
 Acq On : 01 Feb 2019 11:18
 Operator : JC/SP
 Sample : VSTD0.543
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:31:32 AM

Quant Time: Feb 01 23:27:07 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Feb 01 23:02:58 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	53496	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	52855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	26111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	2113	0.49	ug/L	-0.01
7) Chloroethane-d5	1.67	69	2094	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	5714	0.49	ug/L	-0.01
20) 2-Butanone-d5	4.20	46	6568	4.85	ug/L	0.00
24) Chloroform-d	4.64	84	4606	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3095	0.50	ug/L	0.00
32) Benzene-d6	5.33	84	7275	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	2338	0.47	ug/L	0.00
41) Toluene-d8	7.56	98	6647	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	913	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	3826	3.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2050	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	2654	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3609	0.510 ug/L	99
3) Chloromethane	1.31	50	2718	0.515 ug/L	86
5) Vinyl chloride	1.39	62	2724	0.486 ug/L	96
6) Bromomethane	1.62	94	2067	0.557 ug/L	93
8) Chloroethane	1.69	64	2803	0.666 ug/L	83
9) Trichlorofluoromethane	1.88	101	5276	0.511 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2600	0.533 ug/L	97
12) 1,1-Dichloroethene	2.28	96	2055	0.495 ug/L	84
13) Acetone	2.34	43	7693	6.155 ug/L	81
14) Carbon disulfide	2.47	76	8649	0.553 ug/L	98
15) Methyl Acetate	2.62	43	1805	0.613 ug/L #	77
16) Methylene chloride	2.69	84	2928	0.585 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	6973	0.527 ug/L #	94
18) trans-1,2-Dichloroethene	2.97	96	2651	0.571 ug/L	98
19) 1,1-Dichloroethane	3.43	63	5646	0.564 ug/L	98
21) 2-Butanone	4.29	43	7036	5.142 ug/L	95
22) cis-1,2-Dichloroethene	4.21	96	2232	0.497 ug/L	94
23) Bromochloromethane	4.55	128	979	0.487 ug/L	91
25) Chloroform	4.67	83	4867	0.514 ug/L	100
27) 1,2-Dichloroethane	5.40	62	3659	0.508 ug/L #	82
29) 1,1,1-Trichloroethane	4.90	97	4686m	0.544 ug/L	
30) Cyclohexane	4.99	56	3442	0.508 ug/L	91
31) Carbon tetrachloride	5.12	117	3993	0.529 ug/L	90
33) Benzene	5.38	78	8691	0.510 ug/L	100
34) Trichloroethene	6.18	95	2388	0.517 ug/L	93
35) Methylcyclohexane	6.41	83	3287	0.485 ug/L	98
37) 1,2-Dichloropropane	6.43	63	2354	0.511 ug/L #	88
38) Bromodichloromethane	6.75	83	3387	0.508 ug/L #	92
39) cis-1,3-Dichloropropene	7.27	75	3082	0.459 ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	16321	5.122 ug/L	97

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

42) Toluene	7.64	91	8530	0.474	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	2846	0.468	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1640	0.513	ug/L	94
47) Tetrachloroethene	8.23	164	2093	0.547	ug/L	96
48) 2-Hexanone	8.37	43	12611	5.282	ug/L #	94
49) Dibromochloromethane	8.48	129	2162	0.505	ug/L	86
50) 1,2-Dibromoethane	8.58	107	1444	0.477	ug/L #	93
51) Chlorobenzene	9.12	112	5862	0.502	ug/L	94
52) Ethylbenzene	9.25	91	9247	0.463	ug/L	96
53) m,p-xylene	9.38	106	3529	0.470	ug/L	100
54) o-xylene	9.78	106	3260	0.453	ug/L	91
55) Styrene	9.79	104	5433	0.439	ug/L	90
56) Isopropylbenzene	10.17	105	8701	0.444	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	2203	0.534	ug/L	92
59) 1,2,3-Trichloropropane	10.50	75	1693	0.515	ug/L	99
61) Bromoform	9.96	173	1346	0.561	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	4662	0.522	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	4877	0.523	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	4637	0.531	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	381	0.501	ug/L #	92
67) 1,3,5-Trichlorobenzene	12.89	180	3955	0.526	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	3340	0.520	ug/L	97
69) Naphthalene	13.74	128	5450	0.526	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	3534	0.562	ug/L	97

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

