

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021219\
 Data File : VU029413.D
 Acq On : 12 Feb 2019 12:11
 Operator : JC/SP
 Sample : VSTD0.545
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.545

Manual Integrations
 APPROVED

sam
 2/13/2019 3:40:34 PM

Quant Time: Feb 13 03:03:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 13 02:55:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	223495	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107889	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7634	0.47	ug/L	0.00
7) Chloroethane-d5	1.68	69	6896	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	17155	0.52	ug/L	0.00
20) 2-Butanone-d5	4.22	46	15190	5.14	ug/L	0.03
24) Chloroform-d	4.65	84	11745	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	6675	0.52	ug/L	0.00
32) Benzene-d6	5.34	84	25076	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	7803	0.53	ug/L	0.00
41) Toluene-d8	7.56	98	24380	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	3219	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	14113	4.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6478	0.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	10225	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	9867	0.544 ug/L	97
3) Chloromethane	1.32	50	9909	0.580 ug/L	93
5) Vinyl chloride	1.40	62	10970	0.568 ug/L	98
6) Bromomethane	1.63	94	5790	0.425 ug/L	99
8) Chloroethane	1.70	64	7010m	0.574 ug/L	
9) Trichlorofluoromethane	1.88	101	16673	0.562 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	9662	0.547 ug/L	99
12) 1,1-Dichloroethene	2.28	96	9494	0.571 ug/L	98
13) Acetone	2.35	43	14746	6.015 ug/L	95
14) Carbon disulfide	2.48	76	29883	0.535 ug/L	98
15) Methyl Acetate	2.63	43	3371	0.502 ug/L #	80
16) Methylene chloride	2.70	84	12499	0.683 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	22941	0.549 ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	9889	0.549 ug/L	89
19) 1,1-Dichloroethane	3.44	63	16899	0.644 ug/L	94
21) 2-Butanone	4.30	43	16575	5.500 ug/L	93
22) cis-1,2-Dichloroethene	4.22	96	9538	0.588 ug/L	93
23) Bromochloromethane	4.55	128	4064	0.552 ug/L	92
25) Chloroform	4.67	83	14595	0.554 ug/L	100
27) 1,2-Dichloroethane	5.41	62	8416	0.547 ug/L #	92
29) 1,1,1-Trichloroethane	4.91	97	12868	0.557 ug/L	99
30) Cyclohexane	4.99	56	12288	0.557 ug/L	98
31) Carbon tetrachloride	5.13	117	11715	0.554 ug/L	98
33) Benzene	5.39	78	31505	0.587 ug/L	100
34) Trichloroethene	6.18	95	8788	0.575 ug/L	96
35) Methylcyclohexane	6.41	83	14911	0.570 ug/L	98
37) 1,2-Dichloropropane	6.43	63	7808	0.572 ug/L #	91
38) Bromodichloromethane	6.76	83	10132	0.547 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	11945	0.545 ug/L	93
40) 4-Methyl-2-pentanone	7.47	43	44387	5.780 ug/L	99

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

42) Toluene	7.63	91	34016	0.555	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	9850	0.542	ug/L	92
45) 1,1,2-Trichloroethane	8.07	97	5961	0.563	ug/L	90
47) Tetrachloroethene	8.22	164	7631	0.537	ug/L	98
48) 2-Hexanone	8.37	43	32799	6.123	ug/L	99
49) Dibromochloromethane	8.48	129	7554	0.524	ug/L	94
50) 1,2-Dibromoethane	8.59	107	5810	0.565	ug/L #	93
51) Chlorobenzene	9.12	112	23816	0.564	ug/L	97
52) Ethylbenzene	9.25	91	38215	0.549	ug/L	99
53) m,p-xylene	9.37	106	15289	0.551	ug/L	97
54) o-xylene	9.78	106	14697	0.543	ug/L	95
55) Styrene	9.79	104	23952	0.533	ug/L	99
56) Isopropylbenzene	10.16	105	37968	0.530	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	7010	0.540	ug/L #	95
59) 1,2,3-Trichloropropane	10.49	75	4939	0.572	ug/L	96
61) Bromoform	9.96	173	4500	0.524	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	19534	0.574	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	19118	0.554	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	18609	0.584	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.66	75	1183	0.558	ug/L	86
67) 1,3,5-Trichlorobenzene	12.89	180	16168	0.575	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	12570	0.515	ug/L	96
69) Naphthalene	13.75	128	23450	0.614	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	13427	0.606	ug/L	97

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

