

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041913.D
 Acq On : 11 Jan 2021 11:41
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 11:52:31 AM

Quant Time: Jan 12 01:32:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116016	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	5114	0.52	ug/L	0.00
7) Chloroethane-d5	1.92	69	4760	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.57	63	8846	0.48	ug/L	0.00
20) 2-Butanone-d5	4.66	46	12532	4.61	ug/L	0.00
24) Chloroform-d	5.08	84	9431	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	5180	0.55	ug/L	0.00
32) Benzene-d6	5.74	84	17511	0.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5216	0.50	ug/L	0.00
41) Toluene-d8	7.90	98	14750	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	2073	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	9080	4.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	4736	0.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	5105	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5128	0.457 ug/L	89
3) Chloromethane	1.52	50	6088	0.499 ug/L	91
5) Vinyl chloride	1.61	62	5663	0.427 ug/L	90
6) Bromomethane	1.86	94	3676	0.459 ug/L	98
8) Chloroethane	1.94	64	3901	0.482 ug/L	96
9) Trichlorofluoromethane	2.14	101	7840	0.458 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4002	0.430 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4139	0.457 ug/L #	77
13) Acetone	2.66	43	8297m	4.853 ug/L	
14) Carbon disulfide	2.80	76	12160	0.430 ug/L	97
15) Methyl Acetate	2.96	43	1819	0.454 ug/L #	64
16) Methylene chloride	3.06	84	7238	0.636 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	9161	0.422 ug/L	98
18) trans-1,2-Dichloroethene	3.36	96	3705	0.421 ug/L	99
19) 1,1-Dichloroethane	3.88	63	7635	0.463 ug/L	95
21) 2-Butanone	4.74	43	10822	3.952 ug/L	82
22) cis-1,2-Dichloroethene	4.68	96	4094	0.436 ug/L	98
23) Bromochloromethane	4.99	128	2003	0.457 ug/L	84
25) Chloroform	5.10	83	8303	0.483 ug/L	99
27) 1,2-Dichloroethane	5.81	62	5283	0.479 ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	6976	0.472 ug/L	97
30) Cyclohexane	5.40	56	6119	0.442 ug/L	90
31) Carbon tetrachloride	5.54	117	5709	0.447 ug/L	99
33) Benzene	5.79	78	16783	0.460 ug/L	100
34) Trichloroethene	6.55	95	4348	0.454 ug/L	86
35) Methylcyclohexane	6.77	83	5441	0.387 ug/L	98
37) 1,2-Dichloropropane	6.80	63	3960	0.435 ug/L #	88
38) Bromodichloromethane	7.11	83	5105	0.419 ug/L #	96
39) cis-1,3-Dichloropropene	7.61	75	5726	0.426 ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	23619	4.090 ug/L	97

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

42) Toluene	7.97	91	15521	0.412	ug/L	92
44) trans-1,3-Dichloropropene	8.22	75	4546	0.383	ug/L	86
45) 1,1,2-Trichloroethane	8.40	97	3039	0.436	ug/L #	82
47) Tetrachloroethene	8.56	164	2700	0.405	ug/L	96
48) 2-Hexanone	8.69	43	17681	4.153	ug/L	100
49) Dibromochloromethane	8.81	129	3718	0.438	ug/L	96
50) 1,2-Dibromoethane	8.93	107	2860	0.435	ug/L #	97
51) Chlorobenzene	9.45	112	10466	0.441	ug/L	95
52) Ethylbenzene	9.57	91	15530	0.391	ug/L	94
53) m,p-Xylene	9.69	106	5404	0.368	ug/L	99
54) o-Xylene	10.10	106	5070	0.357	ug/L	88
55) Styrene	10.11	104	8692	0.352	ug/L	96
56) Isopropylbenzene	10.48	105	14097	0.370	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.78	83	4042	0.443	ug/L #	87
59) 1,2,3-Trichloropropane	10.82	75	3006	0.452	ug/L	95
61) Bromoform	10.29	173	1870	0.433	ug/L #	84
62) 1,3-Dichlorobenzene	11.74	146	7205	0.445	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	7486	0.461	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	7024	0.451	ug/L #	92
66) 1,2-Dibromo-3-chloropropan	12.99	75	639	0.452	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	5516	0.467	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	3372	0.379	ug/L	96
69) Naphthalene	14.08	128	4393	0.291	ug/L #	97
70) 1,2,3-Trichlorobenzene	14.32	180	3202	0.381	ug/L	92

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

