

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041573.D
 Acq On : 12 Dec 2020 17:28
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Manual Integrations
 APPROVED

MMDadoda
 12/14/2020 3:43:15 PM

Quant Time: Dec 13 11:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147707	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	141866	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	5506	0.47	ug/L	0.00
7) Chloroethane-d5	1.92	69	4336	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	9733	0.45	ug/L	0.00
20) 2-Butanone-d5	4.66	46	13142	3.87	ug/L	0.00
24) Chloroform-d	5.08	84	8884	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5308	0.48	ug/L	0.00
32) Benzene-d6	5.75	84	18124	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5563	0.43	ug/L	0.00
41) Toluene-d8	7.91	98	15904	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	2726	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	12205	3.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	5325	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	6238	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5627	0.433 ug/L	96
3) Chloromethane	1.53	50	5719	0.445 ug/L	98
5) Vinyl chloride	1.61	62	6558	0.477 ug/L	98
6) Bromomethane	1.87	94	4017	0.463 ug/L	98
8) Chloroethane	1.94	64	5673m	0.613 ug/L	
9) Trichlorofluoromethane	2.15	101	7652	0.420 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4422	0.419 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4874	0.471 ug/L	92
13) Acetone	2.66	43	10625	4.891 ug/L	82
14) Carbon disulfide	2.81	76	15937	0.440 ug/L	97
15) Methyl Acetate	2.97	43	2456	0.422 ug/L #	67
16) Methylene chloride	3.06	84	6515	0.550 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	11591	0.411 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	4595	0.416 ug/L	85
19) 1,1-Dichloroethane	3.89	63	8977	0.447 ug/L	92
21) 2-Butanone	4.74	43	14032	3.819 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	5232	0.438 ug/L	89
23) Bromochloromethane	4.99	128	2233	0.400 ug/L	90
25) Chloroform	5.11	83	9227	0.446 ug/L	92
27) 1,2-Dichloroethane	5.81	62	6188	0.445 ug/L #	91
29) 1,1,1-Trichloroethane	5.34	97	7082	0.412 ug/L	96
30) Cyclohexane	5.40	56	7711	0.395 ug/L	99
31) Carbon tetrachloride	5.54	117	6138	0.408 ug/L	87
33) Benzene	5.79	78	20585	0.427 ug/L	100
34) Trichloroethene	6.55	95	4768	0.392 ug/L	99
35) Methylcyclohexane	6.77	83	7744	0.397 ug/L	92
37) 1,2-Dichloropropane	6.80	63	5204	0.435 ug/L #	88
38) Bromodichloromethane	7.11	83	6300	0.414 ug/L #	92
39) cis-1,3-Dichloropropene	7.62	75	7105	0.383 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	35132	3.899 ug/L	95

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

42) Toluene	7.97	91	19943	0.392	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	6148	0.370	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	3591	0.375	ug/L	94
47) Tetrachloroethene	8.56	164	3320	0.391	ug/L	91
48) 2-Hexanone	8.69	43	23092	3.497	ug/L	98
49) Dibromochloromethane	8.81	129	4300	0.410	ug/L	94
50) 1,2-Dibromoethane	8.93	107	3947	0.434	ug/L #	94
51) Chlorobenzene	9.45	112	12875	0.414	ug/L	97
52) Ethylbenzene	9.57	91	20505	0.375	ug/L	96
53) m,p-Xylene	9.69	106	7013	0.330	ug/L	91
54) o-Xylene	10.10	106	7322	0.364	ug/L	99
55) Styrene	10.11	104	11480	0.327	ug/L	96
56) Isopropylbenzene	10.48	105	19013	0.361	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	5124	0.410	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	3830	0.417	ug/L	91
61) Bromoform	10.29	173	2263	0.383	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	10039	0.433	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	9915	0.420	ug/L	89
65) 1,2-Dichlorobenzene	12.21	146	10002	0.449	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	1018	0.468	ug/L #	70
67) 1,3,5-Trichlorobenzene	13.21	180	7382	0.416	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	6000	0.367	ug/L	95
69) Naphthalene	14.07	128	12059	0.372	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	6130	0.402	ug/L	93

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

