

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012275.D
 Acq On : 19 Aug 2019 13:01
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 12:41:22 PM

Quant Time: Aug 19 18:53:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122635	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	118011	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59415	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3107	0.41	ug/L	0.00	MMDadoda
7) Chloroethane-d5	1.58	69	2502	0.45	ug/L	0.00	
11) 1,1-Dichloroethene-d2	2.13	63	6385	0.50	ug/L	0.00	
20) 2-Butanone-d5	3.99	46	8198m	5.02	ug/L	0.03	
24) Chloroform-d	4.40	84	8581	0.56	ug/L	0.00	
26) 1,2-Dichloroethane-d4	5.09	65	4526	0.61	ug/L	0.00	8/20/2019 12:41:22 PM
32) Benzene-d6	5.09	84	16346	0.54	ug/L	0.00	
36) 1,2-Dichloropropane-d6	6.12	67	4692	0.54	ug/L	0.00	
41) Toluene-d8	7.36	98	13495	0.48	ug/L	0.00	
43) trans-1,3-Dichloropropene-	7.67	79	1578	0.45	ug/L	0.00	
46) 2-Hexanone-d5	8.14	63	4533	4.14	ug/L	0.00	
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3585	0.58	ug/L	0.00	
64) 1,2-Dichlorobenzene-d4	11.67	152	6915	0.66	ug/L	0.00	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6573	0.524 ug/L	98
3) Chloromethane	1.25	50	3471	0.340 ug/L	85
5) Vinyl chloride	1.32	62	3623	0.345 ug/L	95
6) Bromomethane	1.54	94	1949	0.337 ug/L	94
8) Chloroethane	1.60	64	2047	0.352 ug/L	94
9) Trichlorofluoromethane	1.77	101	6154	0.436 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2677	0.382 ug/L	88
12) 1,1-Dichloroethene	2.14	96	2319	0.357 ug/L	81
13) Acetone	2.25	43	4716m	4.703 ug/L	
14) Carbon disulfide	2.32	76	7630	0.413 ug/L	97
15) Methyl Acetate	2.47	43	883	0.365 ug/L #	64
16) Methylene chloride	2.53	84	3163	0.465 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	7507	0.419 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	3760	0.438 ug/L	95
19) 1,1-Dichloroethane	3.23	63	5925	0.382 ug/L	92
21) 2-Butanone	4.08	43	7290m	3.716 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3685	0.393 ug/L	98
23) Bromochloromethane	4.30	128	1744	0.431 ug/L	95
25) Chloroform	4.42	83	9009	0.502 ug/L	93
27) 1,2-Dichloroethane	5.18	62	4080	0.410 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	6739	0.460 ug/L	99
30) Cyclohexane	4.73	56	4594	0.335 ug/L	96
31) Carbon tetrachloride	4.87	117	6045	0.453 ug/L	97
33) Benzene	5.14	78	13503	0.390 ug/L	100
34) Trichloroethene	5.96	95	4059	0.423 ug/L	96
35) Methylcyclohexane	6.17	83	5681	0.387 ug/L	98
37) 1,2-Dichloropropane	6.22	63	3288	0.385 ug/L #	91
38) Bromodichloromethane	6.55	83	4860	0.424 ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	4490	0.370 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	14788	3.168 ug/L	100

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

42) Toluene	7.43	91	13772	0.369	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	3769	0.390	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	2549	0.434	ug/L	91
47) Tetrachloroethene	8.02	164	3937	0.486	ug/L	91
48) 2-Hexanone	8.20	43	11143	3.405	ug/L	95
49) Dibromochloromethane	8.29	129	3326	0.447	ug/L	96 MMDadoda
50) 1,2-Dibromoethane	8.40	107	2261	0.400	ug/L #	93
51) Chlorobenzene	8.92	112	10379	0.425	ug/L	94
52) Ethylbenzene	9.05	91	15384	0.382	ug/L	94
53) m,p-xylene	9.18	106	5608	0.360	ug/L	92
54) o-xylene	9.59	106	5582	0.379	ug/L	85 8/20/2019 12:41:22 PM
55) Styrene	9.60	104	9454	0.385	ug/L	90
56) Isopropylbenzene	9.97	105	15929	0.402	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2105	0.316	ug/L #	83
59) 1,2,3-Trichloropropane	10.32	75	1950	0.394	ug/L	92
61) Bromoform	9.77	173	1642	0.426	ug/L #	87
62) 1,3-Dichlorobenzene	11.22	146	8997	0.457	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	9171	0.466	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	8274	0.458	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	7096	0.468	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	4591	0.406	ug/L	94
69) Naphthalene	13.55	128	5766	0.362	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	4429	0.419	ug/L	98

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

