

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013726.D
 Acq On : 22 Nov 2019 10:21
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 12:54:30 PM

Quant Time: Nov 22 11:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	548694	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	511991	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	270911	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15691	0.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	13428	0.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	25137	0.41	ug/L	0.00
20) 2-Butanone-d5	3.98	46	26174	3.33	ug/L	0.01
24) Chloroform-d	4.39	84	31500	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14922	0.41	ug/L	0.00
32) Benzene-d6	5.09	84	59051	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	17660	0.42	ug/L	0.00
41) Toluene-d8	7.35	98	54628	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	6739	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	19330	3.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	12255	0.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	23265	0.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15744	0.328 ug/L	99
3) Chloromethane	1.25	50	14481	0.317 ug/L	97
5) Vinyl chloride	1.32	62	14163	0.322 ug/L	98
6) Bromomethane	1.53	94	7037	0.268 ug/L	91
8) Chloroethane	1.60	64	8875	0.357 ug/L	99
9) Trichlorofluoromethane	1.77	101	21489	0.359 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12709	0.381 ug/L	96
12) 1,1-Dichloroethene	2.14	96	11173	0.351 ug/L	92
13) Acetone	2.23	43	23473	4.738 ug/L	77
14) Carbon disulfide	2.31	76	27122	0.262 ug/L #	95
15) Methyl Acetate	2.48	43	3593	0.261 ug/L	97
16) Methylene chloride	2.53	84	20082	0.451 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	29006	0.351 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	12517	0.322 ug/L	94
19) 1,1-Dichloroethane	3.22	63	24115	0.341 ug/L	98
21) 2-Butanone	4.05	43	27143m	3.306 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	14007	0.340 ug/L	99
23) Bromochloromethane	4.29	128	6370	0.336 ug/L #	79
25) Chloroform	4.42	83	26430	0.277 ug/L	95
27) 1,2-Dichloroethane	5.18	62	14398	0.339 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	22070	0.362 ug/L	99
30) Cyclohexane	4.71	56	16905	0.289 ug/L	99
31) Carbon tetrachloride	4.87	117	18876	0.346 ug/L	98
33) Benzene	5.14	78	51260	0.340 ug/L	100
34) Trichloroethene	5.96	95	14764	0.363 ug/L	95
35) Methylcyclohexane	6.17	83	16908	0.279 ug/L	93
37) 1,2-Dichloropropane	6.22	63	13396	0.370 ug/L	98
38) Bromodichloromethane	6.55	83	17736	0.349 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	17690	0.339 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	78224	3.674 ug/L #	91

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

42) Toluene	7.43	91	52120	0.324	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	13847	0.336	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	8929	0.339	ug/L	95
47) Tetrachloroethene	8.01	164	12010	0.322	ug/L	98
48) 2-Hexanone	8.19	43	56607	3.727	ug/L	96
49) Dibromochloromethane	8.29	129	11690	0.348	ug/L	90
50) 1,2-Dibromoethane	8.40	107	8369	0.333	ug/L #	90
51) Chlorobenzene	8.92	112	40342	0.374	ug/L	99
52) Ethylbenzene	9.05	91	54183	0.314	ug/L	98
53) m,p-xylene	9.18	106	19875	0.307	ug/L	97
54) o-xylene	9.58	106	19108	0.304	ug/L	97
55) Styrene	9.60	104	30959	0.291	ug/L	99
56) Isopropylbenzene	9.97	105	50457	0.301	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	10207	0.351	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	8448	0.371	ug/L	93
61) Bromoform	9.77	173	6740	0.338	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	31701	0.352	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	34831	0.382	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	31867	0.381	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	2132	0.427	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	28103	0.374	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	23116	0.374	ug/L	97
69) Naphthalene	13.55	128	34686	0.412	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	21429	0.383	ug/L	98

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

