

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111519\
 Data File : VV013636.D
 Acq On : 15 Nov 2019 12:42
 Operator : SY/MD
 Sample : VSTD0.531
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 9:32:24 AM

Quant Time: Nov 15 23:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 15 23:03:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421164	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	410586	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	204256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14971	0.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	13077	0.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	26175	0.57	ug/L	0.00
20) 2-Butanone-d5	4.02	46	27867m	5.52	ug/L	0.06
24) Chloroform-d	4.40	84	32385	0.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	15497	0.66	ug/L	0.00
32) Benzene-d6	5.09	84	61163	0.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	17252	0.51	ug/L	0.00
41) Toluene-d8	7.36	98	54427	0.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	6693	0.53	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	20688	4.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11969	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	22234	0.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21176	0.537 ug/L	98
3) Chloromethane	1.25	50	20594	0.576 ug/L	93
5) Vinyl chloride	1.32	62	19520	0.560 ug/L	94
6) Bromomethane	1.53	94	11910	0.608 ug/L	98
8) Chloroethane	1.60	64	10401	0.544 ug/L	94
9) Trichlorofluoromethane	1.77	101	26118	0.555 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13737	0.517 ug/L	96
12) 1,1-Dichloroethene	2.14	96	13588	0.546 ug/L	97
13) Acetone	2.23	43	19034m	5.676 ug/L	
14) Carbon disulfide	2.31	76	48261	0.647 ug/L	97
15) Methyl Acetate	2.48	43	5880	0.589 ug/L	100
16) Methylene chloride	2.53	84	24752	0.882 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	33658	0.569 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	17296	0.636 ug/L	92
19) 1,1-Dichloroethane	3.23	63	29617	0.603 ug/L	97
21) 2-Butanone	4.06	43	25468m	4.185 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	16821	0.570 ug/L	# 92
23) Bromochloromethane	4.30	128	8645	0.655 ug/L	95
25) Chloroform	4.42	83	57087	0.934 ug/L	96
27) 1,2-Dichloroethane	5.18	62	17279	0.530 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	25949	0.564 ug/L	96
30) Cyclohexane	4.72	56	23828	0.519 ug/L	98
31) Carbon tetrachloride	4.87	117	22952	0.553 ug/L	97
33) Benzene	5.14	78	61745	0.508 ug/L	100
34) Trichloroethene	5.96	95	17665	0.518 ug/L	94
35) Methylcyclohexane	6.17	83	24175	0.482 ug/L	96
37) 1,2-Dichloropropane	6.22	63	14484	0.463 ug/L	99
38) Bromodichloromethane	6.55	83	23488	0.549 ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	19222	0.437 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	81933	4.633 ug/L	97

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42) Toluene	7.43	91	64056	0.485	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	16198	0.488	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	11160	0.496	ug/L	96
47) Tetrachloroethene	8.01	164	16505	0.530	ug/L	93
48) 2-Hexanone	8.19	43	62579	5.093	ug/L	97
49) Dibromochloromethane	8.28	129	13657	0.484	ug/L	98
50) 1,2-Dibromoethane	8.39	107	10853	0.525	ug/L #	93
51) Chlorobenzene	8.92	112	47841	0.551	ug/L	99
52) Ethylbenzene	9.05	91	66477	0.477	ug/L	99
53) m,p-xylene	9.18	106	23489	0.442	ug/L	95
54) o-xylene	9.58	106	23049	0.460	ug/L	90
55) Styrene	9.60	104	37533	0.436	ug/L	100
56) Isopropylbenzene	9.97	105	59532	0.446	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	11988	0.484	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	9926	0.520	ug/L	96
61) Bromoform	9.77	173	8250	0.532	ug/L	94
62) 1,3-Dichlorobenzene	11.22	146	37881	0.568	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	39729	0.582	ug/L	94
65) 1,2-Dichlorobenzene	11.68	146	36711	0.594	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.47	75	2551	0.675	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.69	180	32585	0.599	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	27741	0.649	ug/L	95
69) Naphthalene	13.55	128	36381	0.662	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	24264	0.613	ug/L	93

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

