

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019147.D
 Acq On : 29 Oct 2020 14:28
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:26:57 PM

Quant Time: Oct 29 14:22:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	230468	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120795	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19110	9.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	14738	9.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	36578	9.55	ug/L	0.00
21) 2-Butanone-d5	3.92	46	22056m	16.28	ug/L	0.01
24) Chloroform-d	4.38	84	35316	9.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	24480	10.03	ug/L	0.00
32) Benzene-d6	5.08	84	64928	9.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	19041	8.89	ug/L	0.00
41) Toluene-d8	7.34	98	61907	10.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	10633	9.42	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	15318	16.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26019	9.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	26108	10.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20772	11.349 ug/L	98
3) Chloromethane	1.25	50	19158	8.990 ug/L	99
5) Vinyl chloride	1.32	62	19253	9.056 ug/L	99
6) Bromomethane	1.53	94	12641	10.143 ug/L	97
8) Chloroethane	1.60	64	11516	8.670 ug/L	99
9) Trichlorofluoromethane	1.77	101	31399	10.729 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	15596	10.250 ug/L	98
12) 1,1-Dichloroethene	2.13	96	15031	9.897 ug/L	95
13) Acetone	2.19	43	21705	22.618 ug/L	98
14) Carbon disulfide	2.31	76	46206	9.290 ug/L	100
15) Methyl Acetate	2.45	43	16680	8.702 ug/L	100
16) Methylene chloride	2.52	84	16947	9.653 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	15718	9.784 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	51423	9.842 ug/L	99
19) 1,1-Dichloroethane	3.21	63	30001	9.370 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	17239	9.982 ug/L	94
22) 2-Butanone	4.01	43	20482	16.102 ug/L	96
23) Bromochloromethane	4.28	128	9595	10.851 ug/L	99
25) Chloroform	4.41	83	31782	9.915 ug/L	99
27) 1,2-Dichloroethane	5.16	62	26340	9.886 ug/L	97
29) Cyclohexane	4.70	56	24731	9.530 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	30633	10.911 ug/L	99
31) Carbon tetrachloride	4.86	117	26904	10.919 ug/L	100
33) Benzene	5.13	78	63704	9.521 ug/L	100
34) Trichloroethene	5.94	95	18118	10.529 ug/L	97
35) Methylcyclohexane	6.16	83	23226	9.891 ug/L	97
37) 1,2-Dichloropropane	6.20	63	16853	9.277 ug/L	# 95
38) Bromodichloromethane	6.53	83	23533	9.952 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	24459	8.928 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	42537	17.400 ug/L	99

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

42) Toluene	7.41	91	70330	10.093	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	25461	9.323	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	15996	9.731	ug/L	97
46) Tetrachloroethene	8.00	164	14873	11.032	ug/L	97
48) 2-Hexanone	8.16	43	33695	17.860	ug/L	95
49) Dibromochloromethane	8.27	129	18865	10.357	ug/L	100
50) 1,2-Dibromoethane	8.38	107	16705	9.740	ug/L #	98
51) Chlorobenzene	8.90	112	47276	10.527	ug/L	98
52) Ethylbenzene	9.03	91	74595	9.895	ug/L	99
53) m,p-Xylene	9.16	106	28096	10.107	ug/L	97
54) o-xylene	9.56	106	26949	10.071	ug/L	97
55) Styrene	9.58	104	47769	10.069	ug/L	94
56) Isopropylbenzene	9.95	105	72116	10.198	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	24354	9.162	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	20956	9.717	ug/L	100
61) Bromoform	9.75	173	14448	10.553	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	38066	10.492	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	39811	10.498	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	38044	10.409	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6461	10.156	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	27783	10.978	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	25206	10.580	ug/L	99
69) Naphthalene	13.53	128	64512	9.007	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	24744	10.333	ug/L	98

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

