

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014647.D
 Acq On : 21 Feb 2020 12:06
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 4:14:01 PM

Quant Time: Feb 21 22:53:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 22:29:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	245750	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	229416	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	113655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8936	9.48	ug/L	0.00
7) Chloroethane-d5	1.59	69	6687	9.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17106	10.53	ug/L	0.00
21) 2-Butanone-d5	3.96	46	16681m	20.62	ug/L	0.01
24) Chloroform-d	4.40	84	30747	10.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	19056	10.72	ug/L	0.00
32) Benzene-d6	5.10	84	58994	10.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16966	10.06	ug/L	0.00
41) Toluene-d8	7.36	98	57033	10.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8827	9.50	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	13264	19.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	24373	10.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	22681	10.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16736	9.544 ug/L	100
3) Chloromethane	1.25	50	9038	6.296 ug/L	97
5) Vinyl chloride	1.33	62	8628	8.107 ug/L	100
6) Bromomethane	1.54	94	5713	10.539 ug/L	97
8) Chloroethane	1.60	64	4804	8.954 ug/L	96
9) Trichlorofluoromethane	1.77	101	18426	9.596 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7967	9.740 ug/L	98
12) 1,1-Dichloroethene	2.14	96	7329	9.707 ug/L	96
13) Acetone	2.22	43	14926	21.032 ug/L	91
14) Carbon disulfide	2.32	76	32814	9.018 ug/L	99
15) Methyl Acetate	2.47	43	12753	9.975 ug/L	96
16) Methylene chloride	2.54	84	15410	9.739 ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	13809	9.283 ug/L	90
18) Methyl tert-butyl Ether	2.81	73	47969	9.960 ug/L	97
19) 1,1-Dichloroethane	3.23	63	25776	9.861 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	16483	9.565 ug/L	92
22) 2-Butanone	4.05	43	18497	18.207 ug/L #	73
23) Bromochloromethane	4.30	128	8312	9.826 ug/L #	91
25) Chloroform	4.43	83	30115	10.304 ug/L	99
27) 1,2-Dichloroethane	5.18	62	21665	10.033 ug/L	99
29) Cyclohexane	4.72	56	20654	9.065 ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	25875	10.227 ug/L	98
31) Carbon tetrachloride	4.87	117	22690	9.941 ug/L	99
33) Benzene	5.15	78	58960	9.805 ug/L	100
34) Trichloroethene	5.96	95	17373	10.616 ug/L	98
35) Methylcyclohexane	6.17	83	22831	8.939 ug/L	97
37) 1,2-Dichloropropane	6.22	63	13702	9.220 ug/L #	94
38) Bromodichloromethane	6.55	83	21325	9.660 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	24707	9.395 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	35181	19.079 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	63050	9.611	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	21591	9.052	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	14857	9.588	ug/L	97
46) Tetrachloroethene	8.01	164	11973	9.375	ug/L	96
48) 2-Hexanone	8.19	43	27427	18.869	ug/L	98
49) Dibromochloromethane	8.29	129	17563	9.512	ug/L	98
50) 1,2-Dibromoethane	8.39	107	16739	9.979	ug/L	99
51) Chlorobenzene	8.92	112	42663	9.717	ug/L	97
52) Ethylbenzene	9.05	91	71719	9.622	ug/L	97
53) m,p-Xylene	9.18	106	27959	9.582	ug/L	96
54) o-xylene	9.58	106	27380	9.820	ug/L	92
55) Styrene	9.60	104	44128	9.245	ug/L	96
56) Isopropylbenzene	9.97	105	71102	9.576	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	23761	9.744	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	19152	9.896	ug/L	95
61) Bromoform	9.77	173	11405	9.178	ug/L #	95
62) 1,3-Dichlorobenzene	11.22	146	32670	9.461	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	34324	9.806	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	34647	10.182	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	5755	10.244	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	23853	9.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	21973	9.508	ug/L	99
69) Naphthalene	13.55	128	71177	9.617	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	22847	10.158	ug/L	97

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

