

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019146.D
 Acq On : 29 Oct 2020 14:05
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:26:54 PM

Quant Time: Oct 29 14:20:11 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	228958	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221576	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119822	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9043	4.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	7562	4.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17176	4.51	ug/L	0.00
21) 2-Butanone-d5	3.94	46	10015m	7.44	ug/L	0.03
24) Chloroform-d	4.38	84	16084	4.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11744	4.84	ug/L	0.00
32) Benzene-d6	5.08	84	30419	4.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	9501	4.47	ug/L	0.00
41) Toluene-d8	7.34	98	28926	4.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	4792	4.28	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	6427	6.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	12288	4.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12775	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10513	5.782	ug/L 96
3) Chloromethane	1.25	50	10367	4.897	ug/L 98
5) Vinyl chloride	1.32	62	10068	4.767	ug/L 95
6) Bromomethane	1.53	94	7141	5.768	ug/L 91
8) Chloroethane	1.60	64	6540	4.956	ug/L 95
9) Trichlorofluoromethane	1.77	101	16613	5.714	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8071	5.339	ug/L 96
12) 1,1-Dichloroethene	2.13	96	7917	5.247	ug/L 99
13) Acetone	2.20	43	13949	14.632	ug/L 95
14) Carbon disulfide	2.31	76	25958	5.253	ug/L 97
15) Methyl Acetate	2.45	43	9105	4.781	ug/L 98
16) Methylene chloride	2.52	84	9628	5.520	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	8608	5.393	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	28506	5.492	ug/L 98
19) 1,1-Dichloroethane	3.21	63	16107	5.064	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	9646	5.622	ug/L 85
22) 2-Butanone	4.02	43	11096	8.781	ug/L # 74
23) Bromochloromethane	4.28	128	5116	5.824	ug/L 94
25) Chloroform	4.41	83	17817	5.595	ug/L 100
27) 1,2-Dichloroethane	5.16	62	15147	5.722	ug/L 99
29) Cyclohexane	4.71	56	12411	4.822	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	16119	5.788	ug/L 98
31) Carbon tetrachloride	4.86	117	13956	5.711	ug/L 98
33) Benzene	5.13	78	34648	5.221	ug/L 100
34) Trichloroethene	5.94	95	9736	5.704	ug/L 93
35) Methylcyclohexane	6.15	83	11749	5.044	ug/L 96
37) 1,2-Dichloropropane	6.20	63	7999	4.439	ug/L # 95
38) Bromodichloromethane	6.53	83	12636	5.387	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	13001	4.785	ug/L 95
40) 4-Methyl-2-pentanone	7.25	43	21109	8.705	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	36024	5.212	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	13752	5.077	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	8714	5.345	ug/L	96
46) Tetrachloroethene	8.00	164	8238	6.161	ug/L	95
48) 2-Hexanone	8.16	43	17758	9.490	ug/L	98
49) Dibromochloromethane	8.27	129	10185	5.638	ug/L	95
50) 1,2-Dibromoethane	8.38	107	9082	5.339	ug/L #	97
51) Chlorobenzene	8.90	112	24522	5.505	ug/L	99
52) Ethylbenzene	9.04	91	40229	5.380	ug/L	97
53) m,p-Xylene	9.16	106	14978	5.432	ug/L	93
54) o-xylene	9.57	106	13998	5.274	ug/L	94
55) Styrene	9.58	104	24023	5.105	ug/L	100
56) Isopropylbenzene	9.95	105	37316	5.320	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	13054	4.951	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	11515	5.383	ug/L	99
61) Bromoform	9.75	173	7999	5.890	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	20545	5.709	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	22344	5.940	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	20331	5.608	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	3434	5.442	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	15042	5.992	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	13224	5.596	ug/L	98
69) Naphthalene	13.53	128	31909	4.491	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	12770	5.376	ug/L	95

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

