

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036454.D
 Acq On : 14 Jan 2020 20:19
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 11:11:57 AM

Quant Time: Jan 15 00:13:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	486140	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	456034	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	166648	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17335	4.73	ug/L	0.00
7) Chloroethane-d5	1.93	69	14884	4.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	31206	4.85	ug/L	0.00
21) 2-Butanone-d5	4.69	46	27321	9.71	ug/L	0.00
24) Chloroform-d	5.11	84	29944	4.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	20859	4.76	ug/L	0.00
32) Benzene-d6	5.77	84	60145	4.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	19759	4.67	ug/L	0.00
41) Toluene-d8	7.93	98	55474	4.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	9916	4.33	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	16794	7.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	27898	4.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	16479	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	21482	5.298	ug/L 99
3) Chloromethane	1.54	50	17589	4.778	ug/L 97
5) Vinyl chloride	1.62	62	18000	4.331	ug/L 91
6) Bromomethane	1.87	94	10577	5.042	ug/L 98
8) Chloroethane	1.95	64	10901	4.403	ug/L 90
9) Trichlorofluoromethane	2.16	101	25136	4.340	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13519	4.652	ug/L 96
12) 1,1-Dichloroethene	2.61	96	12981m	4.530	ug/L
13) Acetone	2.66	43	29635	10.002	ug/L 96
14) Carbon disulfide	2.83	76	43824	4.913	ug/L 99
15) Methyl Acetate	2.99	43	16792	4.204	ug/L 97
16) Methylene chloride	3.08	84	16591	4.740	ug/L 95
17) trans-1,2-Dichloroethene	3.39	96	14906	4.849	ug/L 92
18) Methyl tert-butyl Ether	3.41	73	47164	4.230	ug/L 99
19) 1,1-Dichloroethane	3.91	63	26245	4.259	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	15752	4.231	ug/L 99
22) 2-Butanone	4.76	43	32126m	9.252	ug/L
23) Bromochloromethane	5.02	128	7293	4.107	ug/L 91
25) Chloroform	5.14	83	29025	4.435	ug/L 95
27) 1,2-Dichloroethane	5.84	62	22005	4.318	ug/L 97
29) Cyclohexane	5.43	56	26227	4.879	ug/L 97
30) 1,1,1-Trichloroethane	5.36	97	24579	4.359	ug/L 98
31) Carbon tetrachloride	5.57	117	20163	4.116	ug/L 91
33) Benzene	5.82	78	58768	4.339	ug/L 100
34) Trichloroethene	6.58	95	16258	4.624	ug/L 96
35) Methylcyclohexane	6.80	83	26224	4.701	ug/L 95
37) 1,2-Dichloropropane	6.83	63	16350	4.491	ug/L # 95
38) Bromodichloromethane	7.14	83	21104	4.114	ug/L # 98
39) cis-1,3-Dichloropropene	7.64	75	24376	3.975	ug/L 95
40) 4-Methyl-2-pentanone	7.83	43	50248	8.179	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	64312	4.313	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	21879	3.847	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	15014	4.413	ug/L	92
46) Tetrachloroethene	8.58	164	10934	4.359	ug/L	85
48) 2-Hexanone	8.73	43	40041	8.481	ug/L	93
49) Dibromochloromethane	8.84	129	14286	3.452	ug/L	88
50) 1,2-Dibromoethane	8.96	107	16692	4.220	ug/L #	96
51) Chlorobenzene	9.47	112	39446	4.205	ug/L	96
52) Ethylbenzene	9.60	91	68855	4.074	ug/L	95
53) m,p-Xylene	9.72	106	26321	4.202	ug/L	98
54) o-xylene	10.13	106	25522	4.053	ug/L	80
55) Styrene	10.14	104	37594	3.548	ug/L	95
56) Isopropylbenzene	10.51	105	64601	3.942	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	22984	3.584	ug/L #	90
59) 1,2,3-Trichloropropane	10.85	75	21629	4.224	ug/L	100
61) Bromoform	10.32	173	10679	4.318	ug/L #	98
62) 1,3-Dichlorobenzene	11.77	146	24275	4.466	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	24759	4.573	ug/L	94
65) 1,2-Dichlorobenzene	12.24	146	23535	4.326	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	5090	4.047	ug/L #	87
67) 1,3,5-Trichlorobenzene	13.24	180	14230	4.012	ug/L	92
68) 1,2,4-trichlorobenzene	13.86	180	9067	3.386	ug/L	99
69) Naphthalene	14.10	128	31076	3.428	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	9669	3.471	ug/L	96

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

