

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041657.D
 Acq On : 16 Dec 2020 09:36
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010202

Quant Time: Dec 17 02:45:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	268490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	262186	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19689	9.02	ug/L	0.00
7) Chloroethane-d5	1.92	69	16513	9.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	34516	8.26	ug/L	0.00
21) 2-Butanone-d5	4.65	46	27395	15.18	ug/L	0.00
24) Chloroform-d	5.08	84	33990	8.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	21616	8.00	ug/L	0.00
32) Benzene-d6	5.74	84	70509	9.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	22193	8.91	ug/L	0.00
41) Toluene-d8	7.90	98	65050	9.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	10713	8.43	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	21751	19.04	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	32809	9.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	23572	9.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	22451	11.500 ug/L	99
3) Chloromethane	1.53	50	20754	9.278 ug/L	98
5) Vinyl chloride	1.61	62	23226	10.244 ug/L	99
6) Bromomethane	1.87	94	15773	12.123 ug/L	96
8) Chloroethane	1.94	64	16322	11.018 ug/L	99
9) Trichlorofluoromethane	2.15	101	33117	10.325 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17756	8.935 ug/L	96
12) 1,1-Dichloroethene	2.59	96	16545	8.896 ug/L	96
13) Acetone	2.65	43	22261	12.307 ug/L	97
14) Carbon disulfide	2.81	76	54799	9.275 ug/L	98
15) Methyl Acetate	2.97	43	21370	7.609 ug/L	99
16) Methylene chloride	3.06	84	19971	9.146 ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	17202	8.963 ug/L	98
18) Methyl tert-butyl Ether	3.38	73	52719	8.471 ug/L	99
19) 1,1-Dichloroethane	3.89	63	31496	8.015 ug/L	95
20) cis-1,2-Dichloroethene	4.68	96	18390	8.748 ug/L	95
22) 2-Butanone	4.73	43	31994	14.634 ug/L	72
23) Bromochloromethane	4.99	128	10204	9.188 ug/L	93
25) Chloroform	5.10	83	33718	8.447 ug/L	96
27) 1,2-Dichloroethane	5.81	62	25959	7.733 ug/L	96
29) Cyclohexane	5.40	56	26040	7.488 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	29552	8.767 ug/L	98
31) Carbon tetrachloride	5.54	117	26155	8.938 ug/L	99
33) Benzene	5.79	78	75368	8.842 ug/L	100
34) Trichloroethene	6.56	95	20413	9.250 ug/L	96
35) Methylcyclohexane	6.77	83	30764	9.059 ug/L	98
37) 1,2-Dichloropropane	6.80	63	19884	8.403 ug/L	100
38) Bromodichloromethane	7.11	83	26557	8.790 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	29860	8.655 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	56546	15.207 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	79750	9.139	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	28713	8.254	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	20719	9.822	ug/L	98
46) Tetrachloroethene	8.56	164	15685	9.849	ug/L	97
48) 2-Hexanone	8.69	43	42118	14.152	ug/L	99
49) Dibromochloromethane	8.81	129	21290	9.224	ug/L	99
50) 1,2-Dibromoethane	8.93	107	21091	9.371	ug/L #	100
51) Chlorobenzene	9.45	112	54753	9.562	ug/L	99
52) Ethylbenzene	9.57	91	83680	8.729	ug/L	98
53) m,p-Xylene	9.69	106	32803	9.317	ug/L	96
54) o-xylene	10.10	106	31095	9.032	ug/L	96
55) Styrene	10.11	104	51955	8.866	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	34034	9.267	ug/L	96
59) Bromoform	10.29	173	16578	10.606	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	27869	9.386	ug/L	98
61) Isopropylbenzene	10.48	105	82476	9.454	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	63722	8.923	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	64436	8.932	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	39702	9.573	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	38856	9.104	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	38747	9.339	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	8048	9.434	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	26854	9.807	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	20785	8.868	ug/L	97
71) Naphthalene	14.07	128	56532	7.736	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	20536	8.893	ug/L	99

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

