

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037819.D
 Acq On : 21 Apr 2020 12:16
 Operator : JC/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Quant Time: Apr 21 13:33:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 13:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	425746	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	411058	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	206631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21678	5.82	ug/L	0.00
7) Chloroethane-d5	1.93	69	17490	5.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	36941	6.09	ug/L	0.00
21) 2-Butanone-d5	4.67	46	31877	10.57	ug/L	0.00
24) Chloroform-d	5.10	84	33271	5.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23615	6.21	ug/L	0.00
32) Benzene-d6	5.76	84	70950	5.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	24110	5.99	ug/L	0.00
41) Toluene-d8	7.92	98	65381	5.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	12173	5.59	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	23070	10.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	32331	5.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	24804	5.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	23950	7.181 ug/L	100
3) Chloromethane	1.54	50	22255	5.706 ug/L	100
5) Vinyl chloride	1.62	62	26937	6.599 ug/L	99
6) Bromomethane	1.87	94	9535	4.438 ug/L	98
8) Chloroethane	1.95	64	16459	6.792 ug/L	100
9) Trichlorofluoromethane	2.16	101	30169	6.844 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	18008	6.710 ug/L	99
12) 1,1-Dichloroethene	2.61	96	17285	6.351 ug/L	88
13) Acetone	2.66	43	27700	15.554 ug/L	100
14) Carbon disulfide	2.82	76	58097	6.231 ug/L	98
15) Methyl Acetate	2.98	43	28420	6.710 ug/L	100
16) Methylene chloride	3.08	84	20850	6.706 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	19731	6.758 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	67182	6.665 ug/L	99
19) 1,1-Dichloroethane	3.91	63	39396	6.882 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	21317	6.640 ug/L	96
22) 2-Butanone	4.75	43	42057	13.492 ug/L	96
23) Bromochloromethane	5.02	128	10152	6.488 ug/L	93
25) Chloroform	5.13	83	37416	6.947 ug/L	100
27) 1,2-Dichloroethane	5.83	62	32084	7.202 ug/L	100
29) Cyclohexane	5.42	56	39195	6.934 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	31564	6.775 ug/L	98
31) Carbon tetrachloride	5.56	117	24878	6.578 ug/L	98
33) Benzene	5.81	78	84421	6.749 ug/L	100
34) Trichloroethene	6.57	95	20946	6.802 ug/L	99
35) Methylcyclohexane	6.79	83	37316	6.830 ug/L	98
37) 1,2-Dichloropropane	6.82	63	23684	6.890 ug/L	# 93
38) Bromodichloromethane	7.13	83	28419	6.716 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	36195	6.433 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	78067	12.788 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	88866	6.687	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	34943	6.407	ug/L	95
45) 1,1,2-Trichloroethane	8.42	97	21033	6.858	ug/L	98
46) Tetrachloroethene	8.57	164	14953	6.526	ug/L	93
48) 2-Hexanone	8.71	43	63800	13.236	ug/L	99
49) Dibromochloromethane	8.83	129	20593	6.262	ug/L	89
50) 1,2-Dibromoethane	8.94	107	21914	6.604	ug/L	98
51) Chlorobenzene	9.47	112	55974	6.745	ug/L	97
52) Ethylbenzene	9.59	91	98561	6.615	ug/L	100
53) m,p-Xylene	9.71	106	37977	6.713	ug/L	95
54) o-xylene	10.12	106	36071	6.429	ug/L	98
55) Styrene	10.13	104	61691	6.342	ug/L	97
56) Isopropylbenzene	10.50	105	97247	6.657	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	35997	6.573	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	31697	6.788	ug/L	97
61) Bromoform	10.31	173	15526	5.929	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	44035	6.621	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	45184	6.771	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	43704	6.668	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.02	75	9009	5.933	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	31873	6.554	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	30139	6.425	ug/L	96
69) Naphthalene	14.11	128	107589	6.216	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	30756	6.581	ug/L	99

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

