

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
 Data File : VU027843.D
 Acq On : 26 Oct 2018 18:57
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: Oct 27 01:50:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 27 01:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	112563	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	106785	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32825	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.96%
7) Chloroethane-d5	1.68	69	27764	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	2.28	63	69069	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.58%
21) 2-Butanone-d5	4.18	46	74244	99.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.47%
24) Chloroform-d	4.65	84	70676	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
26) 1,2-Dichloroethane-d4	5.31	65	49331	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.50%
32) Benzene-d6	5.34	84	133010	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.48%
36) 1,2-Dichloropropane-d6	6.33	67	48541	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.42%
41) Toluene-d8	7.57	98	122243	43.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.16%
43) trans-1,3-Dichloropropene-	7.85	79	23072	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.52%
47) 2-Hexanone-d5	8.31	63	55670	100.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	66973	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	47610	44.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	45035	49.230	ug/L 99
3) Chloromethane	1.33	50	47922	44.719	ug/L 99
5) Vinyl chloride	1.40	62	47921	47.144	ug/L 99
6) Bromomethane	1.62	94	9664	18.855	ug/L 98
8) Chloroethane	1.70	64	28769	52.437	ug/L 99
9) Trichlorofluoromethane	1.89	101	62141	50.738	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32504	48.465	ug/L 98
12) 1,1-Dichloroethene	2.29	96	30768	49.055	ug/L 92
13) Acetone	2.32	43	46879	90.171	ug/L 99
14) Carbon disulfide	2.48	76	101427	46.441	ug/L 99
15) Methyl Acetate	2.62	43	56116	51.290	ug/L 100
16) Methylene chloride	2.70	84	39050	50.401	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	34697	50.008	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	130561	50.345	ug/L 99
19) 1,1-Dichloroethane	3.45	63	76825	51.025	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	40399	49.219	ug/L 98
22) 2-Butanone	4.26	43	78847	101.925	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	19803	51.669	ug/L	95
25) Chloroform	4.67	83	75888	51.938	ug/L	100
27) 1,2-Dichloroethane	5.40	62	64523	50.884	ug/L	100
29) Cyclohexane	5.00	56	73963	48.323	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	64474	49.811	ug/L	100
31) Carbon tetrachloride	5.14	117	55688	47.810	ug/L	98
33) Benzene	5.39	78	161965	50.985	ug/L	100
34) Trichloroethene	6.19	95	39868	50.131	ug/L	99
35) Methylcyclohexane	6.42	83	64856	47.155	ug/L	99
37) 1,2-Dichloropropane	6.43	63	47480	50.585	ug/L	99
38) Bromodichloromethane	6.76	83	56639	48.559	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	71016	49.138	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	155089	102.809	ug/L	99
42) Toluene	7.64	91	168653	50.694	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	65225	47.710	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	39198	50.559	ug/L	98
46) Tetrachloroethene	8.23	164	30623	49.861	ug/L	97
48) 2-Hexanone	8.36	43	120347	102.872	ug/L	98
49) Dibromochloromethane	8.48	129	43723	47.593	ug/L	100
50) 1,2-Dibromoethane	8.59	107	42308	51.128	ug/L	96
51) Chlorobenzene	9.12	112	102937	50.468	ug/L	99
52) Ethylbenzene	9.25	91	188353	50.050	ug/L	99
53) m,p-Xylene	9.38	106	66540	48.945	ug/L	92
54) o-xylene	9.78	106	67765	50.006	ug/L	97
55) Styrene	9.79	104	117092	50.763	ug/L	96
56) Isopropylbenzene	10.17	105	179704	50.073	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	70042	50.804	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	55625	50.145	ug/L	99
61) Bromoform	9.96	173	32432	46.936	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	78792	50.693	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	78213	49.350	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	80262	50.206	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	15625	46.906	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	58947	49.036	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	53096	49.753	ug/L	99
69) Naphthalene	13.74	128	174771	50.705	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	54430	48.800	ug/L	100

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

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