

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083118\
 Data File : VV007295.D
 Acq On : 31 Aug 2018 12:15
 Operator : SY/MD
 Sample : VSTD00576
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 3:03:44 PM

Quant Time: Aug 31 23:50:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	616499	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	572523	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	228502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19482	4.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	12515	3.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	36694	4.97	ug/L	0.00
21) 2-Butanone-d5	3.96	46	30939	9.75	ug/L	0.00
24) Chloroform-d	4.41	84	43427	5.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	25923	5.17	ug/L	0.00
32) Benzene-d6	5.10	84	80996	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	28122	5.31	ug/L	0.00
41) Toluene-d8	7.36	98	66788	4.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	11676	5.04	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	16856	9.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	36770	5.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	26923	5.70	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	24633m	5.03	ug/L	
3) Chloromethane	1.26	50	27554	4.78	ug/L	99
5) Vinyl chloride	1.32	62	24563	4.78	ug/L	97
6) Bromomethane	1.53	94	12820	7.11	ug/L	98
8) Chloroethane	1.59	64	12896	4.45	ug/L	99
9) Trichlorofluoromethane	1.77	101	31882	4.89	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	21155	5.32	ug/L	97
12) 1,1-Dichloroethene	2.14	96	19256	5.07	ug/L	# 80
13) Acetone	2.21	43	25897	10.63	ug/L	100
14) Carbon disulfide	2.32	76	61178	5.28	ug/L	99
15) Methyl Acetate	2.47	43	22485	5.32	ug/L	100
16) Methylene chloride	2.54	84	23522	5.46	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	20777	5.07	ug/L	98
18) Methyl tert-butyl Ether	2.82	73	62112	5.05	ug/L	99
19) 1,1-Dichloroethane	3.23	63	42199	5.07	ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	22784	4.79	ug/L	94
22) 2-Butanone	4.05	43	33464	9.02	ug/L	99
23) Bromochloromethane	4.31	128	12736	5.22	ug/L	89
25) Chloroform	4.44	83	40519	4.96	ug/L	98
27) 1,2-Dichloroethane	5.19	62	29844	4.94	ug/L	96
29) Cyclohexane	4.73	56	27921	4.32	ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	33465	5.10	ug/L	99
31) Carbon tetrachloride	4.88	117	28650	5.08	ug/L	100
33) Benzene	5.15	78	83735	4.72	ug/L	100
34) Trichloroethene	5.97	95	21774	5.05	ug/L	94
35) Methylcyclohexane	6.18	83	29044	4.24	ug/L	98
37) 1,2-Dichloropropane	6.23	63	24008	5.11	ug/L	97
38) Bromodichloromethane	6.56	83	29618	5.14	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	30045	4.54	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	46066	8.36	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	77405	4.50	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	27559	4.50	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	22155	5.07	ug/L	97
46) Tetrachloroethene	8.02	164	17678	4.97	ug/L	95
48) 2-Hexanone	8.20	43	36014	8.21	ug/L	96
49) Dibromochloromethane	8.30	129	22500	5.01	ug/L	97
50) 1,2-Dibromoethane	8.40	107	21285	4.85	ug/L	97
51) Chlorobenzene	8.93	112	56846	4.89	ug/L	96
52) Ethylbenzene	9.06	91	76821	4.29	ug/L	99
53) m,p-Xylene	9.19	106	27126	4.00	ug/L	97
54) o-xylene	9.59	106	26175	4.01	ug/L	100
55) Styrene	9.61	104	42329	3.75	ug/L	97
56) Isopropylbenzene	9.98	105	63842	3.83	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	34730	4.84	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	27059	4.73	ug/L	98
61) Bromoform	9.78	173	15058	5.47	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	35584	5.14	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	37507	5.01	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	38466	5.16	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	6670	6.14	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	26453	5.19	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	19538	5.03	ug/L	99
69) Naphthalene	13.56	128	43312	3.97	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	20657	4.92	ug/L	98

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

