

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122818\
 Data File : VW008002.D
 Acq On : 28 Dec 2018 13:30
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 4.83G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Manual Integrations
 APPROVED

MMDadoda

1/3/2019 12:00:03 AM

Quant Time: Dec 28 23:32:00 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 28 22:34:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	84365	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	78425	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	39150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18196	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	12610	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	4.01	63	49541	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.04%
20) 2-Butanone-d5	7.07	46	16788	47.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.70%
24) Chloroform-d	7.65	84	50764	22.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.48%
26) 1,2-Dichloroethane-d4	8.31	65	30028	22.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.24%
29) Benzene-d6	8.27	84	89054	20.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.00%
33) 1,2-Dichloropropane-d6	9.27	67	24140	20.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.72%
37) Toluene-d8	10.32	98	86563	20.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.80%
38) trans-1,3-Dichloropropene-	10.58	79	14377	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	10.93	63	13950	45.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26024	22.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	33301	21.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	24521m	26.372	ug/L
3) Chloromethane	2.22	50	17662	24.103	ug/L
5) Vinyl chloride	2.37	62	24057	26.392	ug/L
6) Bromomethane	2.79	94	13846	25.604	ug/L
8) Chloroethane	2.93	64	12130	26.784	ug/L
9) Trichlorofluoromethane	3.26	101	22481	28.561	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27151	25.494	ug/L #
12) 1,1-Dichloroethene	4.03	96	26015	26.676	ug/L
13) Acetone	4.12	43	17737	51.200	ug/L
14) Carbon disulfide	4.37	76	80631	26.104	ug/L
15) Methyl Acetate	4.67	43	13557	25.717	ug/L
16) Methylene chloride	4.90	84	31276	22.911	ug/L
17) Methyl tert-butyl Ether	5.42	73	44424	25.628	ug/L
18) trans-1,2-Dichloroethene	5.42	96	27498	25.994	ug/L
19) 1,1-Dichloroethane	6.21	63	45838	26.045	ug/L
21) 2-Butanone	7.18	43	19175	48.644	ug/L
22) cis-1,2-Dichloroethene	7.17	96	28725	25.340	ug/L

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 QLast Update : Fri Dec 28 22:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	13626	26.698	ug/L	96
25) Chloroform	7.68	83	52015	26.242	ug/L	99
27) 1,2-Dichloroethane	8.40	62	38859	26.730	ug/L	96
30) Cyclohexane	7.96	56	41543	24.078	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	49669	26.416	ug/L	98
32) Carbon tetrachloride	8.07	117	48088	26.639	ug/L	99
34) Benzene	8.32	78	103659	24.701	ug/L	100
35) Trichloroethene	9.09	95	30093	24.681	ug/L	97
36) Methylcyclohexane	9.34	83	52044	24.891	ug/L	98
40) 1,2-Dichloropropane	9.37	63	24242	24.574	ug/L	99
41) Bromodichloromethane	9.65	83	37628	25.936	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	42406	24.626	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	37459	47.977	ug/L	99
44) Toluene	10.39	91	117090	24.938	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	39512	24.902	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21181	25.379	ug/L	99
47) Tetrachloroethene	10.87	164	24898	25.701	ug/L	96
49) 2-Hexanone	10.97	43	29729	52.776	ug/L	95
50) Dibromochloromethane	11.13	129	28309	26.624	ug/L	98
51) 1,2-Dibromoethane	11.24	107	22181	26.040	ug/L	94
52) Chlorobenzene	11.66	112	78969	25.837	ug/L	97
53) Ethylbenzene	11.73	91	137590	25.505	ug/L	99
54) m,p-Xylene	11.84	106	52409	25.786	ug/L	97
55) o-xylene	12.17	106	48674	25.252	ug/L	99
56) Styrene	12.18	104	85187	26.074	ug/L	100
57) Isopropylbenzene	12.47	105	141983	26.003	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	25901	25.030	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21462	25.785	ug/L	98
62) Bromoform	12.35	173	16618	26.925	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	61000	24.372	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	63013	25.317	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	57750	25.417	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	6125	27.342	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	46460	25.344	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	39019	24.796	ug/L	98
69) Naphthalene	15.37	128	93175	26.158	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	35482	25.471	ug/L	99

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

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