

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030119\
 Data File : VW008915.D
 Acq On : 01 Mar 2019 09:57
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 11:47:14 PM

Quant Time: Mar 02 02:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 20 13:48:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	433300	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	425887	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	159075	23.60	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.88	69	144232	23.83	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.32%
10) 1,1-Dichloroethene-d2	4.01	63	269429	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.12%
20) 2-Butanone-d5	7.08	46	82951	41.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.54%
24) Chloroform-d	7.65	84	253883	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	150408	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.27	84	537610	26.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.20%
33) 1,2-Dichloropropane-d6	9.27	67	156542	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.56%
37) Toluene-d8	10.32	98	548681	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.20%
38) trans-1,3-Dichloropropene-	10.58	79	70793	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.32%
39) 2-Hexanone-d5	10.93	63	70896	43.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142231	23.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	203662	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	194519	23.369 ug/L	94
3) Chloromethane	2.21	50	195250	22.693 ug/L	100
5) Vinyl chloride	2.35	62	195920	22.210 ug/L	96
6) Bromomethane	2.77	94	142007	24.279 ug/L	100
8) Chloroethane	2.92	64	128894	21.823 ug/L	97
9) Trichlorofluoromethane	3.26	101	240471	22.797 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137364	22.050 ug/L	96
12) 1,1-Dichloroethene	4.03	96	118937	22.006 ug/L	92
13) Acetone	4.14	43	84723	44.429 ug/L	99
14) Carbon disulfide	4.37	76	413451	22.138 ug/L	99
15) Methyl Acetate	4.68	43	69909m	18.381 ug/L	
16) Methylene chloride	4.91	84	149752	21.373 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	306366	20.156 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137312	23.076 ug/L	89
19) 1,1-Dichloroethane	6.21	63	227513	22.519 ug/L	96
21) 2-Butanone	7.17	43	103890	38.935 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	139959	21.930 ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	63340	21.691	ug/L #	83
25) Chloroform	7.67	83	254431	23.923	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170482	22.041	ug/L #	93
30) Cyclohexane	7.95	56	230797	23.024	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	230587	23.452	ug/L	96
32) Carbon tetrachloride	8.07	117	207471	23.089	ug/L	99
34) Benzene	8.32	78	546717	23.663	ug/L	100
35) Trichloroethene	9.09	95	141081	22.623	ug/L	96
36) Methylcyclohexane	9.34	83	251137	22.696	ug/L	95
40) 1,2-Dichloropropane	9.37	63	134069	23.491	ug/L	98
41) Bromodichloromethane	9.64	83	178401	22.989	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	213056	23.014	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	199874	38.779	ug/L	96
44) Toluene	10.39	91	639131	24.062	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	183559	22.204	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101061	21.179	ug/L	99
47) Tetrachloroethene	10.86	164	137065	24.143	ug/L	91
49) 2-Hexanone	10.97	43	168092	41.577	ug/L #	90
50) Dibromochloromethane	11.13	129	126818	21.922	ug/L	95
51) 1,2-Dibromoethane	11.23	107	101339	20.995	ug/L	96
52) Chlorobenzene	11.66	112	415806	23.260	ug/L	96
53) Ethylbenzene	11.73	91	729178	23.627	ug/L	100
54) m,p-Xylene	11.84	106	284079	23.408	ug/L	91
55) o-xylene	12.16	106	266014	22.785	ug/L	96
56) Styrene	12.18	104	448643	22.913	ug/L	96
57) Isopropylbenzene	12.46	105	725677	23.301	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	130461	20.378	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	93336	19.719	ug/L	98
62) Bromoform	12.35	173	76729	22.262	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	341383	23.495	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	341780	23.153	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	311676	23.158	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22017	18.424	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	249929	21.847	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	201612	20.460	ug/L	97
69) Naphthalene	15.37	128	382957	18.877	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	184259	20.348	ug/L	97

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

