

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120718\
 Data File : VW007311.D
 Acq On : 07 Dec 2018 16:05
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV97

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:08:43 PM

Quant Time: Dec 08 02:00:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 16:03:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	141492	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	117420	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	58963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	26621	28.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.56%
7) Chloroethane-d5	2.89	69	20032	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.64%
10) 1,1-Dichloroethene-d2	4.01	63	82099	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.32%
20) 2-Butanone-d5	7.07	46	30218	52.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.04%
24) Chloroform-d	7.65	84	82356	24.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	8.31	65	46446	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	162143	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
33) 1,2-Dichloropropane-d6	9.27	67	45221	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	10.32	98	154622	25.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.44%
38) trans-1,3-Dichloropropene-	10.58	79	23653	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
39) 2-Hexanone-d5	10.93	63	22318	50.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	42429	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	53593	25.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	39454m	25.533 ug/L	
3) Chloromethane	2.22	50	29987	24.242 ug/L	97
5) Vinyl chloride	2.37	62	31103	26.652 ug/L	99
6) Bromomethane	2.78	94	19822	24.556 ug/L	99
8) Chloroethane	2.92	64	17271	24.585 ug/L	96
9) Trichlorofluoromethane	3.26	101	30140	22.499 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	44022m	24.651 ug/L	
12) 1,1-Dichloroethene	4.03	96	41063	24.712 ug/L	97
13) Acetone	4.12	43	28024	41.486 ug/L	100
14) Carbon disulfide	4.37	76	123107	25.374 ug/L	99
15) Methyl Acetate	4.67	43	24238	23.929 ug/L #	89
16) Methylene chloride	4.90	84	45452	19.881 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	66549	24.630 ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	42834	24.028 ug/L	96
19) 1,1-Dichloroethane	6.21	63	74065	24.374 ug/L	96
21) 2-Butanone	7.17	43	34558	47.598 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	47230	24.076 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	21656	24.216	ug/L	99
25) Chloroform	7.67	83	80364	24.443	ug/L	99
27) 1,2-Dichloroethane	8.40	62	56368	23.983	ug/L	97
30) Cyclohexane	7.95	56	70059	24.871	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	70046	25.346	ug/L	100
32) Carbon tetrachloride	8.06	117	67314	25.205	ug/L	98
34) Benzene	8.32	78	167706	24.918	ug/L	100
35) Trichloroethene	9.09	95	48618	25.191	ug/L	98
36) Methylcyclohexane	9.34	83	82619	24.798	ug/L	100
40) 1,2-Dichloropropane	9.37	63	40782	24.771	ug/L	100
41) Bromodichloromethane	9.64	83	57671	24.396	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	69534	25.149	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	67087	51.483	ug/L	99
44) Toluene	10.39	91	183799	25.336	ug/L	94
45) trans-1,3-Dichloropropene	10.60	75	61015	25.129	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	33922	25.023	ug/L	94
47) Tetrachloroethene	10.86	164	34680	23.788	ug/L	93
49) 2-Hexanone	10.97	43	48505	52.962	ug/L	94
50) Dibromochloromethane	11.13	129	42004	25.222	ug/L	93
51) 1,2-Dibromoethane	11.24	107	34060	25.017	ug/L #	100
52) Chlorobenzene	11.66	112	114670	24.356	ug/L	93
53) Ethylbenzene	11.73	91	199969	24.514	ug/L	91
54) m,p-Xylene	11.84	106	76891	24.814	ug/L	78
55) o-xylene	12.17	106	72635	24.804	ug/L	98
56) Styrene	12.18	104	127408	25.382	ug/L	100
57) Isopropylbenzene	12.46	105	206166	25.225	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	41543	24.720	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	32495	24.428	ug/L	99
62) Bromoform	12.35	173	25068	24.826	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	91309	24.105	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	93821	24.845	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	83847	24.733	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	9194	25.606	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	69775	25.429	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	61905	26.168	ug/L	94
69) Naphthalene	15.38	128	152291	26.044	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	54863	25.509	ug/L	99

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

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