

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070618\
 Data File : VW003741.D
 Acq On : 06 Jul 2018 16:11
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 4:40:09 PM

Quant Time: Jul 07 01:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 15:27:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	359745	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	186954	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121816	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.56%
7) Chloroethane-d5	2.89	69	87634	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.04%
10) 1,1-Dichloroethene-d2	4.01	63	242742	25.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.92%
20) 2-Butanone-d5	7.08	46	85690	52.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.04%
24) Chloroform-d	7.65	84	240146	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.31	65	146671	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
29) Benzene-d6	8.27	84	462435	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.27	67	147964	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.84%
37) Toluene-d8	10.32	98	448376	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.44%
38) trans-1,3-Dichloropropene-	10.58	79	71325	25.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.80%
39) 2-Hexanone-d5	10.93	63	65079	53.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.54%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	141832	24.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.16%
61) 1,2-Dichlorobenzene-d4	13.87	152	167008	23.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	61124m	18.25	ug/L	
3) Chloromethane	2.21	50	100541	22.50	ug/L	100
5) Vinyl chloride	2.36	62	135711	20.78	ug/L	99
6) Bromomethane	2.78	94	79804	21.00	ug/L	99
8) Chloroethane	2.93	64	75285	21.07	ug/L	99
9) Trichlorofluoromethane	3.25	101	64016	21.82	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	116141	25.22	ug/L	99
12) 1,1-Dichloroethene	4.03	96	112019	24.89	ug/L	93
13) Acetone	4.12	43	83492	47.39	ug/L #	69
14) Carbon disulfide	4.37	76	371050	25.28	ug/L	98
15) Methyl Acetate	4.67	43	74421	26.51	ug/L	98
16) Methylene chloride	4.91	84	135197	22.19	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	231400	25.83	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	122643	24.14	ug/L	92
19) 1,1-Dichloroethane	6.21	63	229577	23.18	ug/L	99
21) 2-Butanone	7.17	43	105556	45.45	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	133636	23.93	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61878	23.42	ug/L	96
25) Chloroform	7.68	83	236199	22.94	ug/L	99
27) 1,2-Dichloroethane	8.40	62	177218	23.34	ug/L	100
30) Cyclohexane	7.96	56	209792	25.29	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	191380	24.14	ug/L	100
32) Carbon tetrachloride	8.07	117	186657	23.88	ug/L	100
34) Benzene	8.32	78	521766	24.15	ug/L	100
35) Trichloroethene	9.09	95	136237	23.80	ug/L	99
36) Methylcyclohexane	9.34	83	241855	25.14	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139646	24.31	ug/L	99
41) Bromodichloromethane	9.65	83	177212	23.78	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	212906	25.02	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	215713	50.60	ug/L	99
44) Toluene	10.39	91	574719	24.89	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	197813	25.32	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	104813	23.78	ug/L	99
47) Tetrachloroethene	10.87	164	114767	24.00	ug/L	97
49) 2-Hexanone	10.98	43	167315	50.96	ug/L	99
50) Dibromochloromethane	11.13	129	126633	24.13	ug/L	99
51) 1,2-Dibromoethane	11.24	107	103250	24.26	ug/L	96
52) Chlorobenzene	11.66	112	367326	24.15	ug/L	96
53) Ethylbenzene	11.74	91	656462	25.22	ug/L	98
54) m,p-Xylene	11.85	106	244772	25.48	ug/L	99
55) o-xylene	12.17	106	234301	25.86	ug/L	95
56) Styrene	12.19	104	409711	25.74	ug/L	99
57) Isopropylbenzene	12.47	105	644790	26.00	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	143139	24.18	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	108513	24.43	ug/L	99
62) Bromoform	12.35	173	78384	22.97	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	284318	24.09	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	300658	23.41	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	276391	23.86	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	25154	23.25	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	225208	24.17	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	183778	24.44	ug/L	99
69) Naphthalene	15.38	128	393027	25.66	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	174159	24.31	ug/L	98

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

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