

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073118\
 Data File : VW004365.D
 Acq On : 31 Jul 2018 19:22
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

Quant Time: Aug 01 04:37:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 20:28:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	351541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323332	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	172613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74546	27.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.88%
7) Chloroethane-d5	2.89	69	55937	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
10) 1,1-Dichloroethene-d2	4.01	63	194981	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.60%
20) 2-Butanone-d5	7.09	46	87540	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
24) Chloroform-d	7.65	84	204551	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.31	65	116591	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.84%
29) Benzene-d6	8.27	84	404546	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.28	67	126350	24.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.72%
37) Toluene-d8	10.33	98	388862	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.59	79	61142	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	71702	53.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	139560	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	155568	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	77945	24.28	ug/L	95
3) Chloromethane	2.22	50	73152	24.01	ug/L	99
5) Vinyl chloride	2.37	62	107062	28.47	ug/L	98
6) Bromomethane	2.78	94	63354	23.52	ug/L	99
8) Chloroethane	2.93	64	60617	22.92	ug/L	100
9) Trichlorofluoromethane	3.25	101	68123	21.61	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113627	24.45	ug/L	95
12) 1,1-Dichloroethene	4.04	96	111324	25.51	ug/L	90
13) Acetone	4.13	43	73791	49.66	ug/L	100
14) Carbon disulfide	4.38	76	333955	25.87	ug/L	100
15) Methyl Acetate	4.67	43	75124	25.36	ug/L	95
16) Methylene chloride	4.92	84	118901	21.40	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	163286	23.82	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	115047	24.29	ug/L	98
19) 1,1-Dichloroethane	6.21	63	207962	25.25	ug/L	99
21) 2-Butanone	7.18	43	103893	51.30	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	127656	24.45	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59698	24.34	ug/L	89
25) Chloroform	7.68	83	212990	24.58	ug/L	99
27) 1,2-Dichloroethane	8.40	62	144570	24.70	ug/L	99
30) Cyclohexane	7.96	56	198828	26.04	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	173665	24.51	ug/L	98
32) Carbon tetrachloride	8.07	117	171441	24.84	ug/L	99
34) Benzene	8.33	78	472210	25.19	ug/L	100
35) Trichloroethene	9.09	95	122261	24.37	ug/L	99
36) Methylcyclohexane	9.34	83	223592	24.98	ug/L	96
40) 1,2-Dichloropropane	9.37	63	120400	25.61	ug/L	99
41) Bromodichloromethane	9.65	83	151353	24.88	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	185981	25.22	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	204614	53.75	ug/L	97
44) Toluene	10.39	91	506299	25.12	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	168565	25.46	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	97546	25.16	ug/L	98
47) Tetrachloroethene	10.87	164	107067	24.85	ug/L	99
49) 2-Hexanone	10.98	43	155464	54.95	ug/L	98
50) Dibromochloromethane	11.13	129	117377	24.85	ug/L	97
51) 1,2-Dibromoethane	11.24	107	95663	24.89	ug/L	91
52) Chlorobenzene	11.66	112	325333	24.25	ug/L	96
53) Ethylbenzene	11.74	91	557124	24.43	ug/L	97
54) m,p-Xylene	11.85	106	215679	25.00	ug/L	95
55) o-xylene	12.17	106	204708	25.13	ug/L	91
56) Styrene	12.19	104	363983	25.81	ug/L	96
57) Isopropylbenzene	12.47	105	588242	25.75	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	138832	26.08	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105760	25.80	ug/L	99
62) Bromoform	12.35	173	78443	24.36	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	273322	24.55	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	276632	24.15	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	261400	24.83	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26090	25.16	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	214677	24.32	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	183857	24.53	ug/L	99
69) Naphthalene	15.38	128	408785	24.13	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	173512	25.01	ug/L	98

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

