

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\
 Data File : VW016965.D
 Acq On : 22 Oct 2020 12:40
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

Quant Time: Oct 23 02:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 12:40:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	525873	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	476869	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241960	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142423	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
7) Chloroethane-d5	2.89	69	112338	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
10) 1,1-Dichloroethene-d2	4.03	63	292314	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.04%
20) 2-Butanone-d5	7.09	46	61877	54.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.24%
24) Chloroform-d	7.65	84	297775	24.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	8.30	65	142945	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	8.27	84	598313	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	9.27	67	164163	24.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.32%
37) Toluene-d8	10.32	98	567121	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	10.58	79	73410	26.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.64%
39) 2-Hexanone-d5	10.93	63	53954	58.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132132	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	214340	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	163710	27.293	ug/L 99
3) Chloromethane	2.21	50	135997	26.268	ug/L 100
5) Vinyl chloride	2.37	62	202095	26.651	ug/L 100
6) Bromomethane	2.79	94	138654	26.923	ug/L 100
8) Chloroethane	2.93	64	118981	27.264	ug/L 99
9) Trichlorofluoromethane	3.26	101	150860	25.083	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	188953	26.066	ug/L 98
12) 1,1-Dichloroethene	4.04	96	182891	26.568	ug/L 96
13) Acetone	4.14	43	43196	56.149	ug/L 99
14) Carbon disulfide	4.39	76	545182	26.124	ug/L 100
15) Methyl Acetate	4.68	43	57987	28.870	ug/L 98
16) Methylene chloride	4.92	84	179345	25.794	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	211785	28.223	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	190348	26.439	ug/L 96
19) 1,1-Dichloroethane	6.22	63	295298	26.782	ug/L 99
21) 2-Butanone	7.18	43	71853	55.810	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	198596	27.284	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	93178	27.731	ug/L	95
25) Chloroform	7.68	83	321236	27.368	ug/L	99
27) 1,2-Dichloroethane	8.40	62	186027	27.831	ug/L	100
30) Cyclohexane	7.96	56	269755	27.042	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	276631	26.795	ug/L	99
32) Carbon tetrachloride	8.07	117	265114	26.753	ug/L	99
34) Benzene	8.32	78	702955	26.684	ug/L	100
35) Trichloroethene	9.09	95	192728	26.415	ug/L	99
36) Methylcyclohexane	9.34	83	333331	27.204	ug/L	99
40) 1,2-Dichloropropane	9.37	63	163353	27.766	ug/L	99
41) Bromodichloromethane	9.65	83	224443	28.107	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	260563	28.323	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	163776	58.727	ug/L	98
44) Toluene	10.39	91	783594	27.454	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	221538	29.069	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	130129	27.633	ug/L	96
47) Tetrachloroethene	10.87	164	178809	26.643	ug/L	94
49) 2-Hexanone	10.97	43	109182	61.430	ug/L	99
50) Dibromochloromethane	11.13	129	165693	28.883	ug/L	95
51) 1,2-Dibromoethane	11.24	107	129095	28.754	ug/L	99
52) Chlorobenzene	11.66	112	521611	27.338	ug/L	98
53) Ethylbenzene	11.73	91	884380	27.590	ug/L	100
54) m,p-Xylene	11.84	106	349616	27.724	ug/L	97
55) o-xylene	12.16	106	331888	28.411	ug/L	97
56) Styrene	12.18	104	554693	28.384	ug/L	97
57) Isopropylbenzene	12.46	105	897538	27.778	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148249	29.330	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105042	29.040	ug/L	100
62) Bromoform	12.35	173	94489	27.790	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	424937	27.218	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	417435	26.822	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	375712	27.280	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	22888	30.550	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	325919	28.522	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	261339	29.506	ug/L	99
69) Naphthalene	15.37	128	470443	32.746	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	222621	28.843	ug/L	95

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

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