

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103020\
 Data File : VW017031.D
 Acq On : 30 Oct 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Oct 31 04:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 09:49:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	476043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430737	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219371	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120728	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
7) Chloroethane-d5	2.90	69	101959	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	4.03	63	263116	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.48%
20) 2-Butanone-d5	7.09	46	51652	49.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.82%
24) Chloroform-d	7.65	84	277986	25.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	8.31	65	126074	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.60%
29) Benzene-d6	8.28	84	544021	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.27	67	149930	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	10.33	98	509196	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	10.58	79	61558	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	44088	52.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116612	25.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	184042	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	123567	22.757	ug/L	96
3) Chloromethane	2.22	50	119472	25.492	ug/L	99
5) Vinyl chloride	2.37	62	187961	27.382	ug/L	97
6) Bromomethane	2.79	94	124954	26.802	ug/L	100
8) Chloroethane	2.93	64	109131	27.625	ug/L	94
9) Trichlorofluoromethane	3.27	101	159496	29.295	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	186584	28.434	ug/L #	70
12) 1,1-Dichloroethene	4.04	96	176338	28.297	ug/L	96
13) Acetone	4.13	43	36989	53.114	ug/L	98
14) Carbon disulfide	4.39	76	493765	26.136	ug/L	98
15) Methyl Acetate	4.68	43	47920	26.356	ug/L	98
16) Methylene chloride	4.92	84	165551	26.303	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	175569	25.846	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	177469	27.230	ug/L	99
19) 1,1-Dichloroethane	6.22	63	272403	27.292	ug/L	98
21) 2-Butanone	7.18	43	58787	50.441	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	178285	27.058	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	83394	27.417	ug/L	97
25) Chloroform	7.68	83	294463	27.713	ug/L	99
27) 1,2-Dichloroethane	8.40	62	161238	26.647	ug/L	97
30) Cyclohexane	7.96	56	248670	27.598	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	261210	28.011	ug/L	100
32) Carbon tetrachloride	8.07	117	253599	28.332	ug/L	99
34) Benzene	8.33	78	654980	27.525	ug/L	100
35) Trichloroethene	9.09	95	180878	27.446	ug/L	99
36) Methylcyclohexane	9.34	83	307668	27.799	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148270	27.901	ug/L	99
41) Bromodichloromethane	9.65	83	201494	27.936	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	227084	27.327	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	129801	51.529	ug/L	100
44) Toluene	10.39	91	726812	28.192	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	189398	27.514	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114111	26.827	ug/L	97
47) Tetrachloroethene	10.87	164	163685	27.001	ug/L	96
49) 2-Hexanone	10.97	43	84660	52.735	ug/L	100
50) Dibromochloromethane	11.13	129	143517	27.696	ug/L	99
51) 1,2-Dibromoethane	11.24	107	109103	26.904	ug/L	99
52) Chlorobenzene	11.66	112	468385	27.177	ug/L	100
53) Ethylbenzene	11.73	91	809259	27.951	ug/L	99
54) m,p-Xylene	11.84	106	311953	27.387	ug/L	98
55) o-xylene	12.17	106	298022	28.244	ug/L	91
56) Styrene	12.18	104	500488	28.353	ug/L	99
57) Isopropylbenzene	12.47	105	817987	28.027	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	123324	27.012	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	85930	26.300	ug/L	98
62) Bromoform	12.35	173	82012	26.605	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	382578	27.028	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	378703	26.839	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	333095	26.676	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17649	25.983	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	286734	27.677	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	222338	27.687	ug/L	99
69) Naphthalene	15.37	128	355135	27.265	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	196679	28.106	ug/L	96

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

