

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010821\
 Data File : VW017803.D
 Acq On : 08 Jan 2021 13:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jan 08 21:53:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312909	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301868	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	158519	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117206	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.89	69	99038	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	4.03	63	200619	23.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.12%
20) 2-Butanone-d5	7.07	46	40527	51.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.30%
24) Chloroform-d	7.65	84	215042	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	8.31	65	112304	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.16%
29) Benzene-d6	8.27	84	417897	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	117951	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.32	98	417960	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.36%
38) trans-1,3-Dichloropropene-	10.58	79	51731	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
39) 2-Hexanone-d5	10.93	63	30248	51.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92046	26.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	139254	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65620	18.994	ug/L	89
3) Chloromethane	2.21	50	61651	20.077	ug/L	93
5) Vinyl chloride	2.37	62	109093	21.000	ug/L	96
6) Bromomethane	2.78	94	82112	21.315	ug/L	99
8) Chloroethane	2.92	64	72392	22.226	ug/L	100
9) Trichlorofluoromethane	3.26	101	75064	17.611	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	86856	21.834	ug/L	98
12) 1,1-Dichloroethene	4.04	96	83924	21.762	ug/L	95
13) Acetone	4.12	43	25710	37.942	ug/L	98
14) Carbon disulfide	4.38	76	242630	21.070	ug/L	98
15) Methyl Acetate	4.67	43	29629	22.561	ug/L	97
16) Methylene chloride	4.92	84	90314	20.183	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	104708	21.425	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	92310	22.192	ug/L	96
19) 1,1-Dichloroethane	6.21	63	164074	23.088	ug/L	99
21) 2-Butanone	7.17	43	38952	42.736	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	98878	22.622	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	40891	22.085	ug/L	84
25) Chloroform	7.67	83	175362	23.452	ug/L	100
27) 1,2-Dichloroethane	8.40	62	112734	23.307	ug/L	96
30) Cyclohexane	7.95	56	150010	20.878	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	146713	21.129	ug/L	98
32) Carbon tetrachloride	8.07	117	137669	21.014	ug/L	99
34) Benzene	8.32	78	386376	22.386	ug/L	100
35) Trichloroethene	9.09	95	101892	21.327	ug/L	96
36) Methylcyclohexane	9.34	83	178672	21.394	ug/L	99
40) 1,2-Dichloropropane	9.37	63	91660	22.495	ug/L	99
41) Bromodichloromethane	9.64	83	128112	22.970	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	147082	22.620	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	86255	43.573	ug/L	99
44) Toluene	10.38	91	449877	22.858	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	125549	22.675	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	69327	22.890	ug/L	100
47) Tetrachloroethene	10.86	164	82087	21.977	ug/L	97
49) 2-Hexanone	10.97	43	59044	42.040	ug/L	95
50) Dibromochloromethane	11.13	129	82985	23.079	ug/L	96
51) 1,2-Dibromoethane	11.23	107	65883	22.977	ug/L	92
52) Chlorobenzene	11.66	112	282173	22.966	ug/L	97
53) Ethylbenzene	11.73	91	504978	22.613	ug/L	100
54) m,p-Xylene	11.83	106	195782	22.412	ug/L	97
55) o-xylene	12.16	106	184006	22.398	ug/L	91
56) Styrene	12.18	104	316174	23.137	ug/L	96
57) Isopropylbenzene	12.46	105	509254	22.390	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	76122	22.518	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	56035	22.550	ug/L	99
62) Bromoform	12.35	173	38655	19.929	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	217318	22.211	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	213777	21.742	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	191630	22.290	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	11103	19.608	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	149052	22.222	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	118077	21.387	ug/L	95
69) Naphthalene	15.36	128	222047	21.120	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	100702	21.600	ug/L	99

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

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