

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102620\
 Data File : VW016988.D
 Acq On : 26 Oct 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Oct 27 08:19:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 26 08:04:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	559051	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	514111	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	260838	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132266	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
7) Chloroethane-d5	2.89	69	109883	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
10) 1,1-Dichloroethene-d2	4.03	63	292174	23.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.12%
20) 2-Butanone-d5	7.08	46	69004	56.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.54%
24) Chloroform-d	7.65	84	294956	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	144656	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	8.27	84	589230	22.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.24%
33) 1,2-Dichloropropane-d6	9.27	67	160981	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.32%
37) Toluene-d8	10.33	98	554393	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.20%
38) trans-1,3-Dichloropropene-	10.58	79	74064	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.92%
39) 2-Hexanone-d5	10.93	63	58071	58.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140021	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	206984	22.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	157270	24.664	ug/L	94
3) Chloromethane	2.21	50	134096	24.364	ug/L	99
5) Vinyl chloride	2.37	62	209125	25.942	ug/L	99
6) Bromomethane	2.78	94	138385	25.276	ug/L	97
8) Chloroethane	2.93	64	124625	26.863	ug/L	98
9) Trichlorofluoromethane	3.26	101	174400	27.276	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	199788	25.925	ug/L	99
12) 1,1-Dichloroethene	4.04	96	197182	26.944	ug/L	91
13) Acetone	4.13	43	54078	66.123	ug/L	98
14) Carbon disulfide	4.39	76	582640	26.262	ug/L	99
15) Methyl Acetate	4.67	43	67599	31.659	ug/L	99
16) Methylene chloride	4.92	84	187237	25.331	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	225855	28.312	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	204025	26.657	ug/L	97
19) 1,1-Dichloroethane	6.22	63	315484	26.915	ug/L	99
21) 2-Butanone	7.17	43	85103	62.178	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	208576	26.955	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	99830	27.947	ug/L	99
25) Chloroform	7.68	83	336198	26.943	ug/L	100
27) 1,2-Dichloroethane	8.40	62	200906	28.273	ug/L	99
30) Cyclohexane	7.96	56	284501	26.454	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	295818	26.577	ug/L	99
32) Carbon tetrachloride	8.07	117	286180	26.787	ug/L	100
34) Benzene	8.32	78	745774	26.258	ug/L	100
35) Trichloroethene	9.09	95	206844	26.297	ug/L	99
36) Methylcyclohexane	9.34	83	347155	26.280	ug/L	100
40) 1,2-Dichloropropane	9.37	63	172627	27.216	ug/L	100
41) Bromodichloromethane	9.65	83	237406	27.577	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	278271	28.056	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	183927	61.175	ug/L	99
44) Toluene	10.39	91	820794	26.674	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	240842	29.313	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	142182	28.006	ug/L	97
47) Tetrachloroethene	10.87	164	181976	25.150	ug/L	99
49) 2-Hexanone	10.97	43	124832	65.148	ug/L	98
50) Dibromochloromethane	11.13	129	177791	28.747	ug/L	99
51) 1,2-Dibromoethane	11.24	107	139852	28.894	ug/L	98
52) Chlorobenzene	11.66	112	535387	26.027	ug/L	99
53) Ethylbenzene	11.73	91	919464	26.607	ug/L	99
54) m,p-Xylene	11.84	106	360354	26.505	ug/L	99
55) o-xylene	12.16	106	339343	26.945	ug/L	90
56) Styrene	12.18	104	573469	27.219	ug/L	97
57) Isopropylbenzene	12.47	105	913496	26.224	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	161049	29.554	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115122	29.521	ug/L	100
62) Bromoform	12.35	173	109509	29.877	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	429037	25.492	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	432299	25.767	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	385569	25.970	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	25533	31.614	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	320478	26.016	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	259677	27.196	ug/L	98
69) Naphthalene	15.37	128	474350	30.628	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	233283	28.037	ug/L	99

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

