

Data File : VW016258.D
Acq On : 19 Aug 2020 16:08
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Aug 20 01:42:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 20 01:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	358684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332734	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158564	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76770	17.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.04%
7) Chloroethane-d5	2.89	69	65570	19.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.72%
10) 1,1-Dichloroethene-d2	4.02	63	201830	21.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.48%
20) 2-Butanone-d5	7.09	46	49107	41.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.94%
24) Chloroform-d	7.65	84	216267	22.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.88%
26) 1,2-Dichloroethane-d4	8.31	65	104940	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.08%
29) Benzene-d6	8.28	84	410397	22.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.68%
33) 1,2-Dichloropropane-d6	9.27	67	118995	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.44%
37) Toluene-d8	10.33	98	382011	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.04%
38) trans-1,3-Dichloropropene-	10.58	79	51930	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
39) 2-Hexanone-d5	10.93	63	41549	45.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102276	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	133919	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	102119	28.183	ug/L	95
3) Chloromethane	2.21	50	79655	22.137	ug/L	92
5) Vinyl chloride	2.37	62	117123	24.525	ug/L	98
6) Bromomethane	2.79	94	73897	24.706	ug/L	99
8) Chloroethane	2.93	64	66706	24.805	ug/L	98
9) Trichlorofluoromethane	3.26	101	106100	31.124	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	132649	27.535	ug/L	97
12) 1,1-Dichloroethene	4.03	96	129169	28.058	ug/L	89
13) Acetone	4.13	43	40681	45.956	ug/L	91
14) Carbon disulfide	4.38	76	384170	26.585	ug/L	98
15) Methyl Acetate	4.67	43	44298	21.283	ug/L	97
16) Methylene chloride	4.92	84	152995	27.013	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	168596	25.843	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	132657	27.394	ug/L	88
19) 1,1-Dichloroethane	6.22	63	217699	25.408	ug/L	99
21) 2-Butanone	7.18	43	59286	42.258	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	137878	26.990	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63104	26.915	ug/L	88
25) Chloroform	7.68	83	235076	25.789	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139419	22.961	ug/L	99
30) Cyclohexane	7.96	56	197986	27.347	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	207541	27.145	ug/L	98
32) Carbon tetrachloride	8.07	117	195519	27.038	ug/L	96
34) Benzene	8.33	78	514500	26.814	ug/L	100
35) Trichloroethene	9.09	95	137700	26.689	ug/L	95
36) Methylcyclohexane	9.34	83	243179	28.612	ug/L	96
40) 1,2-Dichloropropane	9.37	63	121326	25.749	ug/L	98
41) Bromodichloromethane	9.65	83	164738	25.450	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	191318	26.661	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	129664	45.751	ug/L	96
44) Toluene	10.39	91	564411	27.865	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	165817	25.723	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	95831	25.837	ug/L	99
47) Tetrachloroethene	10.87	164	111379	28.796	ug/L	95
49) 2-Hexanone	10.97	43	89182	46.634	ug/L	96
50) Dibromochloromethane	11.13	129	114945	26.312	ug/L	99
51) 1,2-Dibromoethane	11.24	107	92610	26.337	ug/L	100
52) Chlorobenzene	11.66	112	364425	27.192	ug/L	98
53) Ethylbenzene	11.73	91	638797	27.797	ug/L	99
54) m,p-Xylene	11.84	106	248421	28.737	ug/L	94
55) o-xylene	12.17	106	229424	28.176	ug/L	99
56) Styrene	12.18	104	405976	28.798	ug/L	98
57) Isopropylbenzene	12.47	105	635423	28.944	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	108257	25.015	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	79593	24.276	ug/L	99
62) Bromoform	12.35	173	64250	26.796	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	283068	28.264	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	277888	27.238	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	254680	27.736	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17061	21.189	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	191808	30.352	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	151463	29.572	ug/L	98
69) Naphthalene	15.37	128	288496	26.685	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	136418	29.317	ug/L	99

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

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