

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\
 Data File : VW013644.D
 Acq On : 21 Oct 2019 19:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Oct 21 19:27:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 16:37:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331640	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322415	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198183	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94516	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.92%
7) Chloroethane-d5	2.89	69	82793	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
10) 1,1-Dichloroethene-d2	4.03	63	212714	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	7.07	46	70594	48.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.02%
24) Chloroform-d	7.65	84	216974	23.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	8.30	65	111013	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.27	84	436780	22.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.20%
33) 1,2-Dichloropropane-d6	9.27	67	135442	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.64%
37) Toluene-d8	10.32	98	404237	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.52%
38) trans-1,3-Dichloropropene-	10.57	79	60338	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	58624	53.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119404	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	160413	22.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	86208	23.111	ug/L	95
3) Chloromethane	2.21	50	84054	20.816	ug/L	99
5) Vinyl chloride	2.37	62	135971	26.946	ug/L	100
6) Bromomethane	2.78	94	85978	23.580	ug/L	96
8) Chloroethane	2.93	64	83084	24.364	ug/L	97
9) Trichlorofluoromethane	3.26	101	77701	22.846	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	136478	25.483	ug/L	99
12) 1,1-Dichloroethene	4.05	96	136677	25.931	ug/L	91
13) Acetone	4.13	43	55974	34.654	ug/L	97
14) Carbon disulfide	4.39	76	394599	26.165	ug/L	99
15) Methyl Acetate	4.67	43	69388	26.291	ug/L	98
16) Methylene chloride	4.92	84	151885	23.917	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	189859	26.034	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	148014	25.404	ug/L	93
19) 1,1-Dichloroethane	6.21	63	248970	25.245	ug/L	98
21) 2-Butanone	7.17	43	93417	45.551	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	158111	25.282	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72839	25.768	ug/L	94
25) Chloroform	7.68	83	252262	25.464	ug/L	99
27) 1,2-Dichloroethane	8.40	62	163257	25.712	ug/L	97
30) Cyclohexane	7.96	56	247440	26.196	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	195352	25.978	ug/L	99
32) Carbon tetrachloride	8.07	117	188242	25.707	ug/L	99
34) Benzene	8.32	78	589776	25.494	ug/L	100
35) Trichloroethene	9.09	95	153396	25.844	ug/L	98
36) Methylcyclohexane	9.34	83	276301	26.411	ug/L	98
40) 1,2-Dichloropropane	9.37	63	143269	25.329	ug/L	99
41) Bromodichloromethane	9.65	83	179591	25.912	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	232992	26.090	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	194544	50.411	ug/L	99
44) Toluene	10.38	91	640214	25.758	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	185193	25.690	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	110669	25.369	ug/L	97
47) Tetrachloroethene	10.86	164	139329	25.645	ug/L	97
49) 2-Hexanone	10.97	43	137113	50.081	ug/L	98
50) Dibromochloromethane	11.13	129	133755	25.980	ug/L	98
51) 1,2-Dibromoethane	11.23	107	109444	25.799	ug/L	98
52) Chlorobenzene	11.66	112	406828	25.583	ug/L	99
53) Ethylbenzene	11.73	91	711770	25.919	ug/L	99
54) m,p-Xylene	11.83	106	276430	26.049	ug/L	100
55) o-xylene	12.16	106	265639	26.378	ug/L	100
56) Styrene	12.18	104	452824	26.285	ug/L	98
57) Isopropylbenzene	12.46	105	711644	26.345	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	133297	26.070	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	100029	26.235	ug/L	99
62) Bromoform	12.35	173	83419	24.561	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	339600	25.254	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	332299	24.591	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	307943	25.274	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	20830	24.872	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	259433	25.951	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	218941	25.797	ug/L	99
69) Naphthalene	15.36	128	416846	27.105	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	203464	26.770	ug/L	99

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

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