

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
 Data File : VW014663.D
 Acq On : 16 Jan 2020 09:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Jan 17 01:17:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 16:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	945112	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	823085	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	390852	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	328877	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
7) Chloroethane-d5	2.89	69	270208	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.12%
10) 1,1-Dichloroethene-d2	4.02	63	626937	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.92%
20) 2-Butanone-d5	7.07	46	186959	58.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.94%
24) Chloroform-d	7.65	84	599884	27.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.36%
26) 1,2-Dichloroethane-d4	8.31	65	303623	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.64%
29) Benzene-d6	8.27	84	1258086	28.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.96%
33) 1,2-Dichloropropane-d6	9.27	67	380140	28.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.56%
37) Toluene-d8	10.32	98	1141263	28.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.04%
38) trans-1,3-Dichloropropene-	10.57	79	149943	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.32%
39) 2-Hexanone-d5	10.92	63	142120	63.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	295472	29.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	368629	28.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	195350	23.105	ug/L	96
3) Chloromethane	2.21	50	207599	21.719	ug/L	97
5) Vinyl chloride	2.36	62	328186	24.131	ug/L	100
6) Bromomethane	2.78	94	187847	23.653	ug/L	100
8) Chloroethane	2.92	64	190291	25.021	ug/L	100
9) Trichlorofluoromethane	3.26	101	182723	25.401	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	296338	23.996	ug/L	99
12) 1,1-Dichloroethene	4.04	96	292528	24.190	ug/L	86
13) Acetone	4.12	43	192639	43.887	ug/L	98
14) Carbon disulfide	4.39	76	869381	23.285	ug/L	99
15) Methyl Acetate	4.66	43	144730	24.435	ug/L	100
16) Methylene chloride	4.92	84	298809	19.389	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	371925	23.894	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	296202	23.252	ug/L	98
19) 1,1-Dichloroethane	6.21	63	536312	23.290	ug/L	99
21) 2-Butanone	7.17	43	219272	46.560	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	308724	23.024	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	132766	22.872	ug/L	98
25) Chloroform	7.67	83	505554	22.953	ug/L	99
27) 1,2-Dichloroethane	8.40	62	320488	22.415	ug/L	99
30) Cyclohexane	7.95	56	527459	25.052	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	406012	24.047	ug/L	100
32) Carbon tetrachloride	8.06	117	383952	24.408	ug/L	98
34) Benzene	8.32	78	1207822	24.385	ug/L	100
35) Trichloroethene	9.09	95	305305	23.883	ug/L	99
36) Methylcyclohexane	9.34	83	559536	24.949	ug/L	99
40) 1,2-Dichloropropane	9.37	63	297975	23.768	ug/L	99
41) Bromodichloromethane	9.64	83	351199	23.289	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	443039	23.657	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	388187	48.233	ug/L	99
44) Toluene	10.38	91	1274618	24.624	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	351272	23.458	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	212110	23.886	ug/L	99
47) Tetrachloroethene	10.86	164	258511	24.083	ug/L	99
49) 2-Hexanone	10.96	43	292448	53.214	ug/L	99
50) Dibromochloromethane	11.13	129	239454	23.748	ug/L	95
51) 1,2-Dibromoethane	11.23	107	200523	23.922	ug/L	98
52) Chlorobenzene	11.66	112	772130	23.597	ug/L	98
53) Ethylbenzene	11.73	91	1375883	24.175	ug/L	99
54) m,p-Xylene	11.84	106	528804	24.553	ug/L	93
55) o-xylene	12.16	106	495111	24.338	ug/L	99
56) Styrene	12.18	104	835849	24.412	ug/L	100
57) Isopropylbenzene	12.46	105	1345222	24.860	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	257171	23.852	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	192373	23.818	ug/L	100
62) Bromoform	12.35	173	141096	24.158	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	585920	23.678	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	585271	23.457	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	533190	24.036	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	39171	23.846	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	441527	24.087	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	331302	24.110	ug/L	99
69) Naphthalene	15.36	128	639497	26.957	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	301062	24.178	ug/L	100

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

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