

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041321\
 Data File : VW018635.D
 Acq On : 13 Apr 2021 11:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Apr 14 01:18:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 13 01:58:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	459705	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	420716	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	225853	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	120706	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.48%
7) Chloroethane-d5	2.891	69	114511	20.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.80%
10) 1,1-Dichloroethene-d2	4.019	63	230907	20.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.64%
20) 2-Butanone-d5	7.073	46	69984	49.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.28%
24) Chloroform-d	7.646	84	270985	23.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	8.305	65	148678	21.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.00%
29) Benzene-d6	8.274	84	477763	21.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.44%
33) 1,2-Dichloropropane-d6	9.274	67	148758	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.24%
37) Toluene-d8	10.323	98	449954	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.56%
38) trans-1,3-Dichloroprop...	10.579	79	67004	20.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.56%
39) 2-Hexanone-d5	10.926	63	56436	44.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.40%
48) 1,1,2,2-Tetrachloroeth...	12.694	84	138880	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.24%
61) 1,2-Dichlorobenzene-d4	13.853	152	173790	21.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	110180	20.87	ug/L	95
3) Chloromethane	2.214	50	157086	23.60	ug/L	99
5) Vinyl chloride	2.367	62	234335	26.81	ug/L	99
6) Bromomethane	2.781	94	154728	24.52	ug/L	99
8) Chloroethane	2.928	64	145630	26.72	ug/L	97
9) Trichlorofluoromethane	3.263	101	129508	29.45	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	165051	29.19	ug/L	98
12) 1,1-Dichloroethene	4.043	96	161534	27.99	ug/L	88
13) Acetone	4.123	43	53564	52.35	ug/L	98
14) Carbon disulfide	4.385	76	453359	26.09	ug/L	100
15) Methyl Acetate	4.665	43	62873	26.87	ug/L	98
16) Methylene chloride	4.915	84	163846	21.73	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	209812	24.89	ug/L	98
18) trans-1,2-Dichloroethene	5.427	96	174398	27.38	ug/L	98
19) 1,1-Dichloroethane	6.220	63	299521	27.55	ug/L	99
21) 2-Butanone	7.171	43	84567	52.02	ug/L	97
22) cis-1,2-Dichloroethene	7.171	96	184705	27.56	ug/L	98
23) Bromochloromethane	7.512	128	84401	28.46	ug/L	90
25) Chloroform	7.677	83	326895	28.34	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	216648	26.47	ug/L	100
30) Cyclohexane	7.957	56	257664	25.80	ug/L	96
31) 1,1,1-Trichloroethane	7.872	97	275386	29.29	ug/L	99
32) Carbon tetrachloride	8.067	117	266188	30.38	ug/L	99
34) Benzene	8.323	78	683644	28.06	ug/L	100
35) Trichloroethene	9.091	95	188626	28.02	ug/L	96
36) Methylcyclohexane	9.335	83	303532	25.75	ug/L	98
40) 1,2-Dichloropropane	9.366	63	164024	27.52	ug/L	98
41) Bromodichloromethane	9.646	83	230697	27.38	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	266365	26.43	ug/L	100
43) 4-Methyl-2-pentanone	10.213	43	193093	53.87	ug/L	97
44) Toluene	10.390	91	788520	28.47	ug/L	93
45) trans-1,3-Dichloropropene	10.603	75	235973	26.07	ug/L	97
46) 1,1,2-Trichloroethane	10.786	97	129939	27.34	ug/L	97
47) Tetrachloroethene	10.859	164	147435	28.84	ug/L	94
49) 2-Hexanone	10.969	43	136183	53.69	ug/L	96
50) Dibromochloromethane	11.127	129	158904	28.36	ug/L	95
51) 1,2-Dibromoethane	11.231	107	131681	27.98	ug/L	94
52) Chlorobenzene	11.658	112	499613	28.44	ug/L	100
53) Ethylbenzene	11.731	91	861526	27.59	ug/L	98
54) m,p-Xylene	11.841	106	329129	27.58	ug/L	99
55) o-xylene	12.164	106	312174	27.44	ug/L	94
56) Styrene	12.182	104	547246	28.21	ug/L	95
57) Isopropylbenzene	12.463	105	862396	27.87	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	157630	27.40	ug/L	91
59) 1,2,3-Trichloropropane	12.767	75	116718	26.88	ug/L	98
62) Bromoform	12.347	173	89350	25.80	ug/L #	98
63) 1,3-Dichlorobenzene	13.499	146	392148	27.13	ug/L	99
64) 1,4-Dichlorobenzene	13.578	146	382860	26.25	ug/L	95
65) 1,2-Dichlorobenzene	13.871	146	345418	26.74	ug/L	97
66) 1,2-Dibromo-3-chloropr...	14.481	75	25469	21.81	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.627	180	270299	25.93	ug/L	96
68) 1,2,4-trichlorobenzene	15.133	180	220968	24.91	ug/L	92
69) Naphthalene	15.365	128	456229	24.70	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	197118	25.47	ug/L	99

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

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