

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021921\
 Data File : VW018208.D
 Acq On : 19 Feb 2021 12:09
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

Quant Time: Feb 19 17:11:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	370329	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	329499	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	180816	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	89630	19.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	77.88%		
7) Chloroethane-d5	2.892	69	80626	22.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.28%		
10) 1,1-Dichloroethene-d2	4.026	63	215008	23.37	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	93.48%		
20) 2-Butanone-d5	7.074	46	67488	54.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	109.90%		
24) Chloroform-d	7.647	84	252567	25.99	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	103.96%		
26) 1,2-Dichloroethane-d4	8.305	65	128127	24.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.00%		
29) Benzene-d6	8.275	84	473970	26.20	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	104.80%		
33) 1,2-Dichloropropane-d6	9.275	67	137166	27.11	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	108.44%		
37) Toluene-d8	10.323	98	451830	26.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	105.00%		
38) trans-1,3-Dichloroprop...	10.573	79	63585	27.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	110.88%		
39) 2-Hexanone-d5	10.921	63	58596	60.57	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	121.14%		
48) 1,1,2,2-Tetrachloroeth...	12.689	84	130895	29.45	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	117.80%		
61) 1,2-Dichlorobenzene-d4	13.853	152	180706	28.02	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	112.08%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	113443	22.64	ug/L	92
3) Chloromethane	2.215	50	87859	23.81	ug/L	98
5) Vinyl chloride	2.367	62	133590	26.24	ug/L	98
6) Bromomethane	2.788	94	89732	24.79	ug/L	98
8) Chloroethane	2.928	64	78104	25.68	ug/L	98
9) Trichlorofluoromethane	3.263	101	98412	26.74	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	142766	27.15	ug/L #	65
12) 1,1-Dichloroethene	4.044	96	136945	27.68	ug/L	91
13) Acetone	4.129	43	42455	46.72	ug/L	100
14) Carbon disulfide	4.391	76	370612	25.72	ug/L	99
15) Methyl Acetate	4.678	43	50663	25.13	ug/L	97
16) Methylene chloride	4.916	84	135075	22.76	ug/L	91
17) Methyl tert-butyl Ether	5.422	73	155083	27.92	ug/L	96
18) trans-1,2-Dichloroethene	5.428	96	141715	26.80	ug/L	93
19) 1,1-Dichloroethane	6.214	63	225452	26.42	ug/L	97
21) 2-Butanone	7.171	43	65350	47.24	ug/L	92
22) cis-1,2-Dichloroethene	7.165	96	149289	27.22	ug/L	95
23) Bromochloromethane	7.513	128	70961	26.92	ug/L	90
25) Chloroform	7.671	83	248974	26.73	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	150801	24.95	ug/L	99
30) Cyclohexane	7.958	56	201582	26.75	ug/L	93
31) 1,1,1-Trichloroethane	7.872	97	209266	28.64	ug/L	98
32) Carbon tetrachloride	8.067	117	206077	29.12	ug/L	100
34) Benzene	8.323	78	533351	27.70	ug/L	100
35) Trichloroethene	9.092	95	148242	27.32	ug/L	98
36) Methylcyclohexane	9.336	83	251749	27.59	ug/L	96
40) 1,2-Dichloropropane	9.366	63	122780	27.78	ug/L	99
41) Bromodichloromethane	9.646	83	178322	28.18	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	205122	28.80	ug/L	98
43) 4-Methyl-2-pentanone	10.207	43	145171	52.83	ug/L	93
44) Toluene	10.384	91	597119	28.17	ug/L	98
45) trans-1,3-Dichloropropene	10.604	75	178641	28.81	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	106096	28.13	ug/L	97
47) Tetrachloroethene	10.860	164	134422	29.09	ug/L	96
49) 2-Hexanone	10.969	43	102594	53.73	ug/L	95
50) Dibromochloromethane	11.128	129	130553	28.89	ug/L	95
51) 1,2-Dibromoethane	11.232	107	104618	27.80	ug/L	97
52) Chlorobenzene	11.658	112	397094	28.44	ug/L	100
53) Ethylbenzene	11.731	91	673733	27.97	ug/L	97
54) m,p-Xylene	11.841	106	260039	28.32	ug/L	98
55) o-xylene	12.164	106	248891	28.57	ug/L	97
56) Styrene	12.176	104	424919	28.68	ug/L	100
57) Isopropylbenzene	12.463	105	695364	28.66	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	123640	27.71	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	89955	26.61	ug/L	99
62) Bromoform	12.347	173	77760	27.91	ug/L #	95
63) 1,3-Dichlorobenzene	13.493	146	320546	27.81	ug/L	96
64) 1,4-Dichlorobenzene	13.579	146	327587	28.26	ug/L	94
65) 1,2-Dichlorobenzene	13.865	146	289396	27.84	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	20631	26.21	ug/L	93
67) 1,3,5-Trichlorobenzene	14.627	180	262434	29.64	ug/L	98
68) 1,2,4-trichlorobenzene	15.127	180	208591	28.26	ug/L	94
69) Naphthalene	15.365	128	407221	28.35	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	186777	28.39	ug/L	99

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

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