

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031021\
 Data File : VW018279.D
 Acq On : 10 Mar 2021 09:49
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02535

Quant Time: Mar 11 01:51:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 10 02:13:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	285838	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	260805	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	125188	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	71487	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.36%
7) Chloroethane-d5	2.898	69	59170	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.026	63	173683	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.60%
20) 2-Butanone-d5	7.080	46	26048	35.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.80%
24) Chloroform-d	7.647	84	179008	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.305	65	88656	20.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.20%
29) Benzene-d6	8.275	84	315941	22.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.00%
33) 1,2-Dichloropropane-d6	9.275	67	85635	22.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.04%
37) Toluene-d8	10.323	98	302989	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.44%
38) trans-1,3-Dichloroprop...	10.579	79	39060	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.92%
39) 2-Hexanone-d5	10.921	63	22941	35.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.70%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	62443	18.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.92%
61) 1,2-Dichlorobenzene-d4	13.853	152	95334	20.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	87637	22.10	ug/L	93
3) Chloromethane	2.221	50	61469	23.64	ug/L	97
5) Vinyl chloride	2.373	62	103102	25.81	ug/L	98
6) Bromomethane	2.788	94	70386	23.70	ug/L	100
8) Chloroethane	2.934	64	57964	25.29	ug/L	98
9) Trichlorofluoromethane	3.263	101	88611	26.31	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	106095	26.06	ug/L	99
12) 1,1-Dichloroethene	4.044	96	99089	26.38	ug/L	94
13) Acetone	4.123	43	21669	37.67	ug/L	97
14) Carbon disulfide	4.391	76	285780	26.12	ug/L	100
15) Methyl Acetate	4.678	43	24635	19.81	ug/L	99
16) Methylene chloride	4.922	84	92375	21.17	ug/L	99
17) Methyl tert-butyl Ether	5.422	73	94119	21.85	ug/L	99
18) trans-1,2-Dichloroethene	5.428	96	100816	25.26	ug/L	99
19) 1,1-Dichloroethane	6.220	63	165375	25.28	ug/L	97
21) 2-Butanone	7.171	43	31577	39.63	ug/L	97
22) cis-1,2-Dichloroethene	7.171	96	103558	24.79	ug/L	99
23) Bromochloromethane	7.519	128	44492	23.67	ug/L	97
25) Chloroform	7.677	83	188155	25.10	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	112304	22.59	ug/L	97
30) Cyclohexane	7.958	56	144134	25.61	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	167317	25.99	ug/L	99
32) Carbon tetrachloride	8.067	117	160685	25.93	ug/L	100
34) Benzene	8.324	78	376181	25.07	ug/L	100
35) Trichloroethene	9.092	95	110315	25.08	ug/L	98
36) Methylcyclohexane	9.336	83	178702	25.26	ug/L	99
40) 1,2-Dichloropropane	9.366	63	84093	24.12	ug/L	100
41) Bromodichloromethane	9.646	83	130415	24.07	ug/L	97
42) cis-1,3-Dichloropropene	10.073	75	139994	23.97	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	71172	39.34	ug/L	99
44) Toluene	10.390	91	418371	24.88	ug/L	99
45) trans-1,3-Dichloropropene	10.604	75	121095	23.20	ug/L	98
46) 1,1,2-Trichloroethane	10.787	97	64774	22.62	ug/L	96
47) Tetrachloroethene	10.860	164	82549	25.07	ug/L	91
49) 2-Hexanone	10.969	43	49670	39.82	ug/L	97
50) Dibromochloromethane	11.128	129	79448	22.56	ug/L	92
51) 1,2-Dibromoethane	11.232	107	61126	21.67	ug/L #	99
52) Chlorobenzene	11.658	112	268224	24.62	ug/L	97
53) Ethylbenzene	11.731	91	489602	25.34	ug/L	98
54) m,p-Xylene	11.841	106	179935	24.58	ug/L	97
55) o-xylene	12.164	106	170998	24.97	ug/L	98
56) Styrene	12.177	104	292243	24.94	ug/L	96
57) Isopropylbenzene	12.463	105	495693	25.52	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	68379	20.70	ug/L	92
59) 1,2,3-Trichloropropane	12.768	75	50980	20.37	ug/L	98
62) Bromoform	12.347	173	40821	22.17	ug/L	96
63) 1,3-Dichlorobenzene	13.499	146	196002	23.57	ug/L	98
64) 1,4-Dichlorobenzene	13.579	146	199727	24.28	ug/L	99
65) 1,2-Dichlorobenzene	13.865	146	175538	23.46	ug/L	96
66) 1,2-Dibromo-3-chloropr...	14.481	75	11510	19.71	ug/L	88
67) 1,3,5-Trichlorobenzene	14.627	180	147924	24.37	ug/L	99
68) 1,2,4-trichlorobenzene	15.127	180	115547	23.20	ug/L	89
69) Naphthalene	15.365	128	208534	21.28	ug/L	98
70) 1,2,3-Trichlorobenzene	15.554	180	93931	21.67	ug/L	97

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

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