

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031021\
 Data File : VW018291.D
 Acq On : 10 Mar 2021 16:43
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02536

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:37:48 PM

Quant Time: Mar 11 02:05:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 11 02:01:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	256332	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	230109	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	112795	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	65650	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
7) Chloroethane-d5	2.891	69	53440	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	4.025	63	155469	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
20) 2-Butanone-d5	7.074	46	28296	42.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.76%
24) Chloroform-d	7.647	84	165453	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.305	65	85889	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.88%
29) Benzene-d6	8.275	84	293127	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	9.274	67	78566	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.60%
37) Toluene-d8	10.323	98	284653	24.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.32%
38) trans-1,3-Dichloroprop...	10.579	79	38040	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.44%
39) 2-Hexanone-d5	10.921	63	24235	42.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.84%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	62866	21.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.64%
61) 1,2-Dichlorobenzene-d4	13.853	152	86959	21.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.84%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	83864	23.58	ug/L	98
3) Chloromethane	2.215	50	54777	23.49	ug/L	99
5) Vinyl chloride	2.367	62	91993	25.68	ug/L	96
6) Bromomethane	2.782	94	63578	23.87	ug/L	100
8) Chloroethane	2.928	64	52286	25.44	ug/L	95
9) Trichlorofluoromethane	3.263	101	75135	24.88	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	93813m	25.69	ug/L	
12) 1,1-Dichloroethene	4.050	96	88812	26.36	ug/L	84
13) Acetone	4.117	43	22195	43.03	ug/L	98
14) Carbon disulfide	4.385	76	252607	25.75	ug/L	100
15) Methyl Acetate	4.672	43	24700	22.15	ug/L	99
16) Methylene chloride	4.915	84	89697	22.92	ug/L	98
17) Methyl tert-butyl Ether	5.421	73	87907	22.75	ug/L #	90
18) trans-1,2-Dichloroethene	5.428	96	91202	25.48	ug/L	96
19) 1,1-Dichloroethane	6.214	63	148550	25.32	ug/L	98
21) 2-Butanone	7.171	43	32323	45.24	ug/L	98
22) cis-1,2-Dichloroethene	7.165	96	93204	24.88	ug/L	98
23) Bromochloromethane	7.513	128	40598	24.09	ug/L	98
25) Chloroform	7.671	83	170353	25.34	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	106764	23.95	ug/L	100
30) Cyclohexane	7.952	56	130604	26.31	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	147307	25.93	ug/L	99
32) Carbon tetrachloride	8.067	117	144150	26.36	ug/L	99
34) Benzene	8.323	78	340803	25.74	ug/L	100
35) Trichloroethene	9.092	95	97815	25.20	ug/L	97
36) Methylcyclohexane	9.335	83	164473	26.35	ug/L	98
40) 1,2-Dichloropropane	9.366	63	77188	25.10	ug/L	100
41) Bromodichloromethane	9.640	83	119326	24.96	ug/L	98
42) cis-1,3-Dichloropropene	10.073	75	128072	24.85	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	71591	44.85	ug/L	98
44) Toluene	10.384	91	387112	26.10	ug/L	93
45) trans-1,3-Dichloropropene	10.603	75	113490	24.65	ug/L	97
46) 1,1,2-Trichloroethane	10.786	97	60449	23.92	ug/L	99
47) Tetrachloroethene	10.860	164	75397	25.95	ug/L	92
49) 2-Hexanone	10.963	43	51747	47.02	ug/L	99
50) Dibromochloromethane	11.122	129	75275	24.23	ug/L	80
51) 1,2-Dibromoethane	11.231	107	58986	23.70	ug/L #	94
52) Chlorobenzene	11.658	112	237769	24.73	ug/L	99
53) Ethylbenzene	11.731	91	441091	25.87	ug/L	96
54) m,p-Xylene	11.841	106	165237	25.58	ug/L	96
55) o-xylene	12.164	106	158281	26.20	ug/L	95
56) Styrene	12.176	104	267207	25.85	ug/L	99
57) Isopropylbenzene	12.463	105	436981	25.50	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	67610	23.20	ug/L	93
59) 1,2,3-Trichloropropane	12.768	75	49635	22.48	ug/L	97
62) Bromoform	12.347	173	39154	23.60	ug/L #	98
63) 1,3-Dichlorobenzene	13.499	146	185013	24.70	ug/L	93
64) 1,4-Dichlorobenzene	13.579	146	190806	25.74	ug/L	89
65) 1,2-Dichlorobenzene	13.871	146	162065	24.04	ug/L	99
66) 1,2-Dibromo-3-chloropr...	14.481	75	11730	22.29	ug/L	87
67) 1,3,5-Trichlorobenzene	14.627	180	126590	23.15	ug/L	95
68) 1,2,4-trichlorobenzene	15.127	180	105645	23.54	ug/L	92
69) Naphthalene	15.365	128	201611	22.83	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	88787	22.74	ug/L	98

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

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