

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032921\
 Data File : VW018473.D
 Acq On : 29 Mar 2021 09:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 10:55:43 AM

Quant Time: Mar 30 03:06:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 27 01:30:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	536658	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	492328	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	257720	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	157653	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
7) Chloroethane-d5	2.891	69	142467	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	4.025	63	305254	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	7.074	46	88334	53.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.26%
24) Chloroform-d	7.647	84	345232	25.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.04%
26) 1,2-Dichloroethane-d4	8.305	65	196835	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.275	84	619810	23.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.72%
33) 1,2-Dichloropropane-d6	9.274	67	185131	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
37) Toluene-d8	10.323	98	608340	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloroprop...	10.579	79	96302	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.92%
39) 2-Hexanone-d5	10.920	63	76134	51.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.06%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	181734	26.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.64%
61) 1,2-Dichlorobenzene-d4	13.853	152	228494	24.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.76%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	155974	25.30	ug/L	95
3) Chloromethane	2.215	50	170876	21.99	ug/L	99
5) Vinyl chloride	2.367	62	271904	26.65	ug/L	98
6) Bromomethane	2.782	94	190760	25.89	ug/L	99
8) Chloroethane	2.928	64	160523	25.23	ug/L	99
9) Trichlorofluoromethane	3.263	101	128735	25.08	ug/L	97
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	193057	29.25	ug/L	98
12) 1,1-Dichloroethene	4.044	96	186658	27.71	ug/L	95
13) Acetone	4.117	43	60414	50.58	ug/L	98
14) Carbon disulfide	4.385	76	536704	26.46	ug/L	99
15) Methyl Acetate	4.665	43	74213m	27.17	ug/L	
16) Methylene chloride	4.922	84	184715	20.98	ug/L	95
17) Methyl tert-butyl Ether	5.428	73	258552	26.27	ug/L	99
18) trans-1,2-Dichloroethene	5.428	96	199298	26.80	ug/L	97
19) 1,1-Dichloroethane	6.214	63	339858	26.78	ug/L	97
21) 2-Butanone	7.165	43	97293	51.27	ug/L	99
22) cis-1,2-Dichloroethene	7.165	96	211903	27.09	ug/L	97
23) Bromochloromethane	7.513	128	96673	27.92	ug/L	90
25) Chloroform	7.671	83	369416	27.43	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	258021	27.00	ug/L	98
30) Cyclohexane	7.951	56	301852	25.83	ug/L	98
31) 1,1,1-Trichloroethane	7.872	97	304779	27.70	ug/L	98
32) Carbon tetrachloride	8.067	117	296940	28.96	ug/L	99
34) Benzene	8.323	78	771341	27.05	ug/L	100
35) Trichloroethene	9.091	95	214884	27.28	ug/L	98
36) Methylcyclohexane	9.335	83	371063	26.90	ug/L	99
40) 1,2-Dichloropropane	9.366	63	185343	26.57	ug/L	97
41) Bromodichloromethane	9.646	83	275193	27.91	ug/L	100
42) cis-1,3-Dichloropropene	10.073	75	318851	27.03	ug/L	98
43) 4-Methyl-2-pentanone	10.207	43	225079	53.66	ug/L	98
44) Toluene	10.390	91	876510	27.04	ug/L	96
45) trans-1,3-Dichloropropene	10.603	75	300139	28.34	ug/L	98
46) 1,1,2-Trichloroethane	10.786	97	153175	27.54	ug/L	98
47) Tetrachloroethene	10.866	164	172941	28.91	ug/L	93
49) 2-Hexanone	10.969	43	159945	53.89	ug/L	97
50) Dibromochloromethane	11.128	129	187026	28.52	ug/L	92
51) 1,2-Dibromoethane	11.231	107	153307	27.83	ug/L	99
52) Chlorobenzene	11.658	112	569003	27.68	ug/L	99
53) Ethylbenzene	11.731	91	1011166	27.67	ug/L	99
54) m,p-Xylene	11.841	106	385696	27.62	ug/L	95
55) o-xylene	12.164	106	370125	27.80	ug/L	96
56) Styrene	12.182	104	628228	27.67	ug/L	96
57) Isopropylbenzene	12.463	105	1023528	28.27	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	190018	28.23	ug/L	95
59) 1,2,3-Trichloropropane	12.768	75	141969	27.94	ug/L	99
62) Bromoform	12.347	173	113276	28.66	ug/L #	99
63) 1,3-Dichlorobenzene	13.499	146	445508	27.01	ug/L	96
64) 1,4-Dichlorobenzene	13.578	146	435203	26.15	ug/L	94
65) 1,2-Dichlorobenzene	13.871	146	408599	27.72	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	35008	26.27	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.627	180	337838	28.40	ug/L	97
68) 1,2,4-trichlorobenzene	15.127	180	275832	27.25	ug/L	92
69) Naphthalene	15.365	128	569843	27.04	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	249580	28.26	ug/L	97

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

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