

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042921\
 Data File : VW021231.D
 Acq On : 29 Apr 2021 19:26
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050187

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 3:51:03 PM

Quant Time: Apr 30 05:59:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 30 05:55:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	599912	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	583362	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	338000	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	166638	33.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.60%
7) Chloroethane-d5	1.571	69	129863	35.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.62%
11) 1,1-Dichloroethene-d2	2.111	63	365959	40.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.50%
21) 2-Butanone-d5	3.896	46	257992	107.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	4.352	84	411763	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
26) 1,2-Dichloroethane-d4	5.034	65	300355	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.54%
32) Benzene-d6	5.053	84	718675	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
36) 1,2-Dichloropropane-d6	6.076	67	192711	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.12%
41) Toluene-d8	7.320	98	718290	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloroprop...	7.625	79	128387m	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.092	63	188791	102.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.64%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	306904	43.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.76%
66) 1,2-Dichlorobenzene-d4	11.632	152	332924	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	257981	42.59	ug/L	100
3) Chloromethane	1.243	50	183412	35.18	ug/L	94
5) Vinyl chloride	1.314	62	200609	37.59	ug/L	100
6) Bromomethane	1.523	94	142152	39.53	ug/L	100
8) Chloroethane	1.587	64	124314	39.48	ug/L	98
9) Trichlorofluoromethane	1.754	101	434995	45.74	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	189037	40.08	ug/L	94
12) 1,1-Dichloroethene	2.121	96	171938	40.15	ug/L	90
13) Acetone	2.195	43	218531	97.19	ug/L	74
14) Carbon disulfide	2.294	76	499458	42.52	ug/L	100
15) Methyl Acetate	2.439	43	177515	47.74	ug/L	98
16) Methylene chloride	2.510	84	203519	45.57	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	188548	45.82	ug/L	94
18) Methyl tert-butyl Ether	2.770	73	656875	52.00	ug/L #	91
19) 1,1-Dichloroethane	3.191	63	336229	45.28	ug/L	98
20) cis-1,2-Dichloroethene	3.915	96	215293	49.02	ug/L #	96
22) 2-Butanone	3.982	43	265022	101.77	ug/L	95
23) Bromochloromethane	4.253	128	124187	49.07	ug/L	95
25) Chloroform	4.378	83	408584	48.89	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	372554	55.99	ug/L	99
29) Cyclohexane	4.680	56	270691	45.60	ug/L	96
30) 1,1,1-Trichloroethane	4.613	97	412890	52.83	ug/L	98
31) Carbon tetrachloride	4.831	117	383701	53.16	ug/L	99
33) Benzene	5.101	78	764096	46.99	ug/L	100
34) Trichloroethene	5.918	95	223611	49.68	ug/L	96
35) Methylcyclohexane	6.137	83	310600	45.92	ug/L	98
37) 1,2-Dichloropropane	6.178	63	180959m	45.30	ug/L	
38) Bromodichloromethane	6.513	83	307060	49.33	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	309782	47.55	ug/L	100
40) 4-Methyl-2-pentanone	7.230	43	533745	110.54	ug/L	96
42) Toluene	7.391	91	869785	48.72	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	331348	49.15	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	206386	47.57	ug/L	94
46) Tetrachloroethene	7.979	164	201289	50.00	ug/L	97
48) 2-Hexanone	8.143	43	410607	107.99	ug/L	97
49) Dibromochloromethane	8.249	129	274995	51.46	ug/L	97
50) 1,2-Dibromoethane	8.355	107	227576	48.52	ug/L	97
51) Chlorobenzene	8.886	112	592498	48.26	ug/L	99
52) Ethylbenzene	9.018	91	1004971	50.77	ug/L	99
53) m,p-Xylene	9.143	106	400996	53.16	ug/L	96
54) o-Xylene	9.548	106	388072	52.37	ug/L	100
55) Styrene	9.564	104	672727	53.75	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.246	83	304109	44.10	ug/L #	99
59) Bromoform	9.735	173	215098	51.92	ug/L	99
60) Isopropylbenzene	9.934	105	1051079	52.02	ug/L	100
61) 1,2,3-Trichloropropane	10.278	75	272668	47.85	ug/L	97
62) 1,3,5-Trimethylbenzene	10.545	105	915932	53.38	ug/L	98
63) 1,2,4-Trimethylbenzene	10.921	105	931698	54.45	ug/L	98
64) 1,3-Dichlorobenzene	11.188	146	524710	52.13	ug/L	97
65) 1,4-Dichlorobenzene	11.278	146	527215	50.98	ug/L	98
67) 1,2-Dichlorobenzene	11.651	146	536117	51.60	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.435	75	91402	53.51	ug/L	98
69) 1,3,5-Trichlorobenzene	12.651	180	411691	52.59	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	340151	53.01	ug/L	98
71) Naphthalene	13.509	128	1013538	56.71	ug/L	100
72) 1,2,3-Trichlorobenzene	13.754	180	362790	55.42	ug/L	98

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

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